

ANTIBODIES FOR CANCER RESEARCH

Abbexa is a supplier of biological tools, providing the scientific community with primary antibodies, secondary antibodies, proteins, ELISA kits and enzymes as well as other kits and tools for use in research.

Working with various laboratories across the World, we aim to develop relevant, high quality, tested products for the biomedical research market.



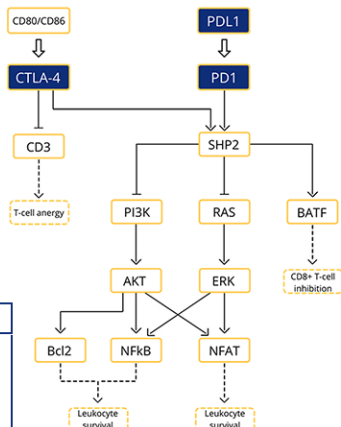
CTLA-4



CTLA4 is a CD28 homologue, a protein receptor that functions as an immune checkpoint by negatively regulating T-lymphocyte immune responses.

CD28 and CTLA4 compete for CD80 and CD86; CTLA4 has a higher binding affinity, and can therefore sequester the costimulatory CD28 secondary signal for T cell activation.

If CTLA-4 signalling is greater than CD28, T lymphocytes undergo anergy (resulting in reduced: IL-2 production, proliferation, and survival).



abx104330

Sizes: 100µl, 200µl, 1ml
 Reactivity: Human
 Host: Rabbit
 Clonality: Polyclonal
 Tested Applications: WB, IHC, IF/ICC, IP
 Immunogen: CTLA4 (Gly52-Cys211)

abx104331

Sizes: 50µg, 100µg, 200µg, 1mg
 Reactivity: Mouse
 Host: Rabbit
 Clonality: Polyclonal
 Tested Applications: WB, IHC, IF/ICC, IP
 Immunogen: CTLA4 (Val45-Ser185)

abx104332

Sizes: 50µg, 100µg, 200µg, 1mg
 Reactivity: Rat
 Host: Rabbit
 Clonality: Polyclonal
 Tested Applications: WB, IHC, IF/ICC, IP
 Immunogen: CTLA4 (Thr41-Lys192)

abx172039

Sizes: 100µg, 200µg, 1mg
 Reactivity: Human
 Host: Mouse
 Clonality: Monoclonal
 Tested Applications: WB, IHC, IF/ICC, IP
 Immunogen: Gly52-Cys211

abx200696, abx200698

Sizes: 25µg, 100µg
 Reactivity: Mouse
 Host: Hamster
 Clonality: Monoclonal
 Tested Applications: FCM
 Immunogen: Mouse CTLA-4 IgG2a Fusion
 Isotype: IgG
 Conjugation: 696 - APC, 698 - CF-Blue

abx414772, abx414773, abx414774

Sizes: 772 - 0.25mg, 773 - 0.5mg, 774 - 0.1mg
 Reactivity: Mouse
 Host: Hamster
 Clonality: Monoclonal
 Tested Applications: ELISA, WB, IF/ICC, FCM, IF
 Immunogen: Extracellular portion of mouse CD152 fused to a mouse IgG2a.
 Isotype: IgG

abx172039

Sizes: 20µl, 100µl, 200µl
 Reactivity: Human, Mouse, Rat
 Host: Rabbit
 Clonality: Polyclonal
 Tested Applications: WB
 Immunogen: A synthetic peptide of human AKT1
 Isotype: IgG

abx335291

Sizes: 20µg, 50µg, 100µg, 200µg, 1mg
 Reactivity: Human
 Host: Rabbit
 Clonality: Polyclonal
 Tested Applications: ELISA
 Immunogen: Recombinant Human Cytotoxic T-lymphocyte protein 4 protein (36-161AA).
 Isotype: IgG
 Conjugation: Biotin

abx133969

Sizes: 50 Assays, 100 Assays
 Reactivity: Human
 Host: Mouse
 Clonality: Monoclonal
 Tested Applications: IF/ICC, FCM
 Immunogen: Human CTLA4 Fusion Protein
 Isotype: IgG2a
 Conjugation: PE

abx335290, abx335289

Sizes: 20µg, 50µg, 100µg, 200µg, 1mg
 Reactivity: Human
 Host: Rabbit
 Clonality: Polyclonal
 Tested Applications: ELISA
 Immunogen: Recombinant Human Cytotoxic T-lymphocyte protein 4 protein (36-161AA).
 Isotype: IgG
 Conjugation: 290 - FITC, 289 - HRP

abx117193

Sizes: 100µg
 Reactivity: Human
 Host: Rabbit
 Clonality: Polyclonal
 Tested Applications: ELISA, WB, IHC
 Immunogen: A synthetic peptide of human CTLA4
 Isotype: IgG

PDL1, PD1



PD-1/PD-L1 signalling pathway negatively regulates immune responses, preventing an autoimmune response against native cells in immune-privileged sites – implicated in mediating tumour immunity.

PD-1 is an immune checkpoint expressed on T lymphocytes. Ligands to PD-1 include: PD-L1 and PD-L2. PD-L1 expression on 'normal' tissues is a crucial mechanism of physiological peripheral immune tolerance, to negatively regulate autoimmune responses. PD-L1 is expressed on cancer cells - helps tumours to evade the immune system, creating an immunosuppressive environment.

If bound to PD-1 is bound to PD-L1 it causes anergy or apoptosis of the lymphocyte, preventing T-cell mediated destruction of cells; including tumour cells.

PD1

abx004272

Sizes: 20µl, 50µl, 100µl, 200µl
Reactivity: Human, Mouse
Host: Rabbit
Clonality: Polyclonal
Tested Applications: WB
Immunogen: Recombinant protein of human PDCD1
Isotype: IgG

abx433106

Sizes: 200µl
Reactivity: Human
Host: Goat
Clonality: Polyclonal
Tested Applications: P-ELISA
Immunogen: Internal Region: C-GELD-FQWREKTPK

abx114694

Sizes: 50µl, 150µl
Reactivity: Human
Host: Rabbit
Clonality: Polyclonal
Tested Applications: ELISA, WB, IHC
Immunogen: Human PDCD1
Isotype: IgG

abx174170

Sizes: 100µg, 200µg, 1mg
Reactivity: Human
Host: Mouse
Clonality: Monoclonal
Tested Applications: WB, IHC, IF/ICC, IP
Immunogen: Leu41-Ala132

abx217666

Sizes: 50µl, 100µl
Reactivity: Human
Host: Rabbit
Clonality: Polyclonal
Tested Applications: WB
Immunogen: Synthesised peptide derived from human PD1
Isotype: IgG

abx318379

Sizes: 20µg, 50µg, 100µg, 200µg, 1mg
Reactivity: Human
Host: Rabbit
Clonality: Polyclonal
Tested Applications: ELISA, WB, IHC, IF/ICC
Immunogen: Recombinant Human Programmed Cell Death protein 1 protein (21-170AA).
Isotype: IgG

abx137435

Sizes: 5µg, 20µg, 100µg
Reactivity: Human
Host: Rabbit
Clonality: Monoclonal
Tested Applications: ELISA, WB
Immunogen: Anti-human PDCD1 mAb, is derived from hybridization of mouse FO myeloma cells with spleen cells from BALB/c mice immunized with recombinant human PDCD1 amino acids 21-167 purified from E. coli.
Isotype: IgG2b

abx306987, abx306986, abx306985

Sizes: 20µg, 50µg, 100µg, 200µg, 1mg
Reactivity: Human
Host: Rabbit
Clonality: Polyclonal
Tested Applications: ELISA
Immunogen: Recombinant human Programmed Cell Death protein 1 protein (21-170AA).
Isotype: IgG2b
Conjugation: 987 - Biotin, 986 - FITC, 985 - HRP

PDL1

abx274655

Sizes: 100µl, 200µl, 1ml
Reactivity: Human
Host: Mouse
Clonality: Monoclonal
Tested Applications: WB, IHC, IF/ICC, IP
Immunogen: Recombinant PDL1 (Pro24-Pro234) expressed in E. coli
Isotype: IgG
Conjugation: Biotin

abx117193

Sizes: 100µg
Reactivity: Human
Host: Goat
Clonality: Polyclonal
Tested Applications: ELISA, WB, IHC
Immunogen: Synthetic peptide sequence CKKQSDTHLEET from the C-terminal region of CD274 (NP_054862.1)
Isotype: IgG

PDL1, PD1



abx140406

Sizes: 0.1mg
Reactivity: Human, Monkey
Host: Mouse
Clonality: Monoclonal
Tested Applications: IHC, FCM, FUNC
Immunogen: Full Length Human CD274
Isotype: IgG2b

abx001385

Sizes: 20µl, 50µl, 100µl, 200µl
Reactivity: Human, Mouse, Rat
Host: Rabbit
Clonality: Polyclonal
Tested Applications: WB, IHC, IF/ICC
Immunogen: Recombinant fusion protein containing a sequence corresponding to amino acids 19-238 of human PD-L1.
Isotype: IgG

abx236281

Sizes: 100µg
Reactivity: Human, Mouse, Pig
Host: Mouse
Clonality: Monoclonal
Tested Applications: ELISA, WB, IHC, IF/ICC
Immunogen: PD-L1/CD274 fusion protein
Isotype: IgG1

abx179111

Sizes: 100µg, 200µg, 1mg
Reactivity: Rat
Host: Mouse
Clonality: Monoclonal
Tested Applications: WB, IHC, IF/ICC, IP
Immunogen: Ser34-Val241

abx430491

Sizes: 200µl
Reactivity: Human
Host: Goat
Clonality: Polyclonal
Tested Applications: P-ELISA, WB
Immunogen: C-Terminus: CKKQSDTHLEET
Isotype: IgG

abx132278

Sizes: 100µg, 200µg, 1mg
Reactivity: Human
Host: Mouse
Clonality: Monoclonal
Tested Applications: WB, IHC, IF/ICC, IP
Immunogen: PDCC1LG1 (Pro24-Pro234)

abx104347

Sizes: 100µl, 200µl, 1ml
Reactivity: Human
Host: Rabbit
Clonality: Polyclonal
Tested Applications: WB, IHC, IF/ICC, IP
Immunogen: PDCC1LG1 (Pro24-Pro234)

abx111472

Sizes: 50µl, 150µl
Reactivity: Human, Mouse, Rat
Host: Rabbit
Clonality: Polyclonal
Tested Applications: ELISA, WB, IHC
Immunogen: Human CD274
Isotype: IgG

abx412030

Sizes: 0.1mg
Reactivity: Human
Host: Rabbit
Clonality: Polyclonal
Tested Applications: WB, IHC, IF/ICC
Immunogen: A peptide corresponding to a 17 amino acid sequence from near the centre of Human CD274.
Isotype: IgG

abx140453, abx140427

Sizes: 100 tests
Reactivity: Human, Monkey
Host: Mouse
Clonality: Monoclonal
Tested Applications: IHC, FCM, FUNC
Immunogen: Full length Human CD274
Isotype: IgG2b
Conjugation: 453 - APC, 427 - PE

abx121326

Sizes: 30µl, 100µl, 200µl
Reactivity: Human, Mouse, Rat
Host: Rabbit
Clonality: Polyclonal
Tested Applications: WB
Immunogen: KLH-conjugated synthetic peptide encompassing a sequence within the center region of human CD274. The exact sequence is proprietary.

abx320158

Sizes: 50µl, 100µl
Reactivity: Human
Host: Rabbit
Clonality: Polyclonal
Tested Applications: ELISA, IHC
Immunogen: Recombinant human Programmed cell death 1 ligand 1 protein (19-238AA).
Isotype: IgG

abx430492

Sizes: 200µl
Reactivity: Human
Host: Goat
Clonality: Polyclonal
Tested Applications: P-ELISA, WB, IHC
Immunogen: C-Terminus: CKKQSDTHLEET
Isotype: IgG
Conjugation: Biotin

abx130336, abx129655

Sizes: 50µg, 100µg, 200µg, 1mg
Reactivity: 336 - Rat, 655 - Mouse
Host: Rabbit
Clonality: Polyclonal
Tested Applications: WB, IHC, IF/ICC, IP
Immunogen: PDCC1LG1 (Ser34-Val241)

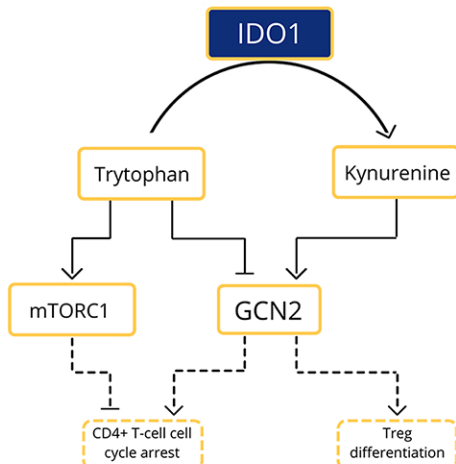
IDO1



IDO1 is a tryptophan catabolic enzyme; it catalyses the conversion of tryptophan to kynurenine.

The increase in kynurenine (and subsequent depletion in tryptophan) has immunosuppressive effects, by activating T regulatory cells (Tregs) and myeloid-derived suppressor cells, which then inhibits the functions of effector T and natural killer cells.

Although this is a crucial mechanism in 'normal' immune cell functioning, cancer cells exploit this pathway (IDO1 is over-expressed in vast majority of cancers) to promote tumour progression, neovascularisation, and cancer immune evasion.



abx234127

Sizes: 100µg
Reactivity: Human
Host: Rabbit
Clonality: Polyclonal
Tested Applications: ELISA, WB
Immunogen: Full Length 1-403AA.
Isotype: IgG

abx009106

Sizes: 30µl, 100µl, 200µl
Reactivity: Human, Rabbit, Sheep
Host: Rabbit
Clonality: Polyclonal
Tested Applications: WB
Immunogen: Human IDO1 fusion protein (200AA - 400AA).

abx415777

Sizes: 0.1mg
Reactivity: Human
Host: Mouse
Clonality: Monoclonal
Tested Applications: WB, IHC
Immunogen: Peptide corresponding to amino acids 78-184 of human IDO fused to GST.
Isotype: IgG3

abx109906

Sizes: 20µg, 50µg, 100µg, 200µg, 1mg
Reactivity: Human
Host: Rabbit
Clonality: Polyclonal
Tested Applications: ELISA, WB, IHC, IF/ICC
Immunogen: Recombinant human indoleamine 2,3-dioxygenase 1 protein (1-403AA)
Isotype: IgG

abx412567

Sizes: 0.1ml
Reactivity: Human
Host: Sheep
Clonality: Polyclonal
Tested Applications: WB, IHC
Immunogen: Recombinant human indoleamine 2,3-dioxygenase.
Isotype: IgG

abx106970, abx105553, abx108391

Sizes: 20µg, 50µg, 100µg, 200µg, 1mg
Reactivity: Human
Host: Rabbit
Clonality: Polyclonal
Tested Applications: ELISA
Immunogen: Recombinant human indoleamine 2,3-dioxygenase 1 protein (1-403AA)
Isotype: IgG
Conjugation: 553 - Biotin, 970 - FITC, 391 - HRP

abx113123

Sizes: 50µl, 150µl
Reactivity: Human
Host: Rabbit
Clonality: Polyclonal
Tested Applications: ELISA, WB
Immunogen: Human IDO1
Isotype: IgG

The OX40/OX40L pathway promotes a Th2 response; this favours humoral B cell response, resulting in the production of large antibody quantities (which provide little support for immune responses against cancer cells).

The Th1 response is dampened due to the high levels of nearby IL4, causing a reduction in the numbers of macrophages and CD8+ T cells; cells which are more effective than B cells and granulocytes for clearing cancers.

abx414760, abx415763

Sizes: 760 - 0.25mg, 763 - 0.1ml
 Reactivity: Rat
 Host: Mouse
 Clonality: Monoclonal
 Tested Applications: FCM
 Immunogen: ACl-S1 rat T-cell lymphoma cell line.
 Isotype: IgG1

abx025358

Sizes: 100µl
 Reactivity: Human
 Host: Mouse
 Clonality: Monoclonal
 Tested Applications: WB
 Immunogen: KLH-conjugated synthetic peptide between 97-125 amino acids from human TNFSF4
 Isotype: IgM

abx339142

Sizes: 50µl, 100µl
 Reactivity: Human
 Host: Rabbit
 Clonality: Polyclonal
 Tested Applications: ELISA, IHC
 Immunogen: Synthetic peptide of human TNFSF4
 Isotype: IgG

abx413479

Sizes: 0.25mg
 Reactivity: Mouse
 Host: Rat
 Clonality: Monoclonal
 Tested Applications: IHC, FCM
 Immunogen: Rat CD4 and mouse CD134 ligand Chimeric protein.
 Isotype: IgG1

abx121786

Sizes: 30µl, 100µl, 200µl
 Reactivity: Human, Mouse, Rat
 Host: Rabbit
 Clonality: Polyclonal
 Tested Applications: WB
 Immunogen: KLH-conjugated synthetic peptide encompassing a sequence within the center region of human CD252. The exact sequence is proprietary.

abx200736, abx200738

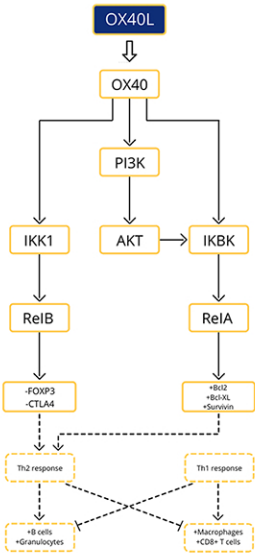
Sizes: 25µg, 100µg
 Reactivity: Mouse
 Host: Rat
 Clonality: Monoclonal
 Tested Applications: FCM
 Immunogen: Rat NRK-S2E cell line transfected with mouse OX-40L gene (Txgo11)
 Isotype: IgG2b
 Conjugation: 736 - APC, 738 - CF-Blue

abx200740, abx200741, abx200742

Sizes: 25µg, 100µg
 Reactivity: Mouse
 Host: Rat
 Clonality: Monoclonal
 Tested Applications: FCM
 Immunogen: Rat NRK-S2E cell line transfected with mouse OX-40L gene (Txgp11)
 Isotype: IgG2b
 Conjugation: 740 - PE, 741 - PerCP, 742 - PerCP-Cy5.5

abx026700

Sizes: 80µl, 400µl
 Reactivity: Human
 Host: Rabbit
 Clonality: Polyclonal
 Tested Applications: WB
 Immunogen: KLH-conjugated synthetic peptide between 102-131 amino acids from the Central region of human TNFSF4.
 Isotype: IgG



abx121787

Sizes: 30µl, 100µl, 200µl
 Reactivity: Human, Mouse, Rat
 Host: Rabbit
 Clonality: Polyclonal
 Tested Applications: WB
 Immunogen: KLH-conjugated synthetic peptide encompassing a sequence within the center region of human CD252. The exact sequence is proprietary.

abx200743

Sizes: 100µg, 500µg
 Reactivity: Mouse
 Host: Rat
 Clonality: Monoclonal
 Tested Applications: FCM
 Immunogen: Rat NRK-S2E cell line transfected with mouse OX-40L gene (Txgp11)
 Isotype: IgG2b

abx323446, abx322832

Sizes: 50µg, 100µg
 Reactivity: Human
 Host: Rabbit
 Clonality: Monoclonal
 Tested Applications: 446 - ELISA, WB, B32 - ELISA, IF/ICC
 Immunogen: Synthesized peptide derived from the internal region of human OX40L
 Isotype: IgG

abx414762

Sizes: 0.1mg
 Reactivity: Rat
 Host: Mouse
 Clonality: Monoclonal
 Tested Applications: FCM
 Immunogen: ACl-S1 rat T-cell lymphoma cell line
 Isotype: IgG1
 Conjugation: FITC

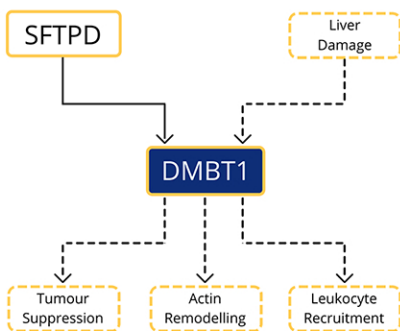
DMBT1



Deleted in Malignant Brain Tumours 1 protein (DMBT1) is a putative tumour suppressor originally identified by its disappearance in a cell line derived from a brain tumour.

It is thought to interact with various different immune cells, recruiting them to nearby pathogens and to tumour cells.

The deletion of DMBT1 is typically mediated by the loss of the q end from chromosome 10 (q26.13 or above), which occurs in around 80% of glioblastoma multiforme cases.



abx172078

Sizes: 200µg, 1mg
Reactivity: Human
Host: Mouse
Clonality: Monoclonal
Tested Applications: WB, IHC, IF/ICC, IP

abx176133

Sizes: 50µg, 100µg, 200µg, 1mg
Reactivity: Human
Host: Rabbit
Clonality: Polyclonal
Tested Applications: WB, IHC, IF/ICC, IP
Immunogen: Cys2008-Arg2413

abx213667

Sizes: 50µl, 100µl
Reactivity: Human, Mouse, Rat
Host: Rabbit
Clonality: Polyclonal
Tested Applications: ELISA, IHC
Immunogen: Synthetic Peptide of human DMBT1
Isotype: IgG

abx376242

Sizes: 20µl, 50µl, 100µl
Reactivity: Human, Mouse, Rat
Host: Rabbit
Clonality: Polyclonal
Tested Applications: IHC
Immunogen: Synthesized peptide derived from part region of human protein