

CD28 antibody [CD28.2]

Cat. No. GTX13463

Host	Mouse
Clonality	Monoclonal
Isotype	IgG1
Applications	ICC/IF, IHC-Fr, FCM, IP
Reactivity	Human, Mouse, Baboon, Chimpanzee, Cynomolgus monkey, Rhesus Monkey, Sooty Mangabey

References (14)

Package

100 µg

PRODUCT

The CD28.2 antibody reacts with human CD28, a 44 kDa type I surface glycoprotein which acts as a co-stimulatory receptor in support of the T cell receptor (TCR). CD28 exists as a homodimer with specificity for two known ligands, known as B7-1 (CD80) and B7-2 (CD86), which are expressed on activated B cells and antigen-presenting cells. These ligands trigger CD28 signaling in concert with TCR activation to drive T cell proliferation, induce high-level expression of IL-2, impart resistance to apoptosis, and enhance T cell cytotoxicity. The interaction / co-stimulatory signaling between the B7 ligands and CD28 provides crucial communication between T cells and B cells or APCs to coordinate the adaptive immune response. Other members of the CD28 family of receptors include CTLA-4 (CD152), PD-1 (CD279), ICOS and BTLA.

Applications

Application Note

*Optimal dilutions/concentrations should be determined by the researcher.

Suggested dilution	Recommended dilution
ICC/IF	Assay dependent
IHC-Fr	Assay dependent
FCM	Assay dependent
IP	Assay dependent

Not tested in other applications.

Product Note
Recognizes the CD28 (44 kDa) human cell surface disulfide-linked, homodimeric glycoprotein. The antibody reacts with human CD28-transfected murine T-cell hybridoma, PHA-activated blasts and IL-6 dependent plasmacytoma lines. It cross reacts with rhesus monkey PBL. The antibody blocks CD28/B7 (CD80) mediated cell-cell adhesion. It binds to the CDR domain in a CDR1 dependent manner. It enhances CD3 monoclonal antibody-induced T-cell proliferation. May be used in adhesion and co-stimulation studies.

Properties

Form	Liquid
Buffer	10mM NaH ₂ PO ₄ , 150mM NaCl
Preservative	0.09% Sodium azide
Storage	Store as concentrated solution. Centrifuge briefly prior to opening vial. Store at 4°C.



For full product information, images and publications, please visit our [website](#).

Date 2026 / 01 / 07 Page 1 of 2

Concentration	0.5 mg/ml (Please refer to the vial label for the specific concentration.)
Immunogen	human CD28 transfected murine T cell hybridoma.
Purification	Purified by affinity chromatography From tissue culture supernatant
Conjugation	Unconjugated
Note	For laboratory research use only. Not for any clinical, therapeutic, or diagnostic use in humans or animals. Not for animal or human consumption. Purchasers shall not, and agree not to enable third parties to, analyze, copy, reverse engineer or otherwise attempt to determine the structure or sequence of the product.



For full product information, images and publications, please visit our [website](#).

Date 2026 / 01 / 07 Page 2 of 2