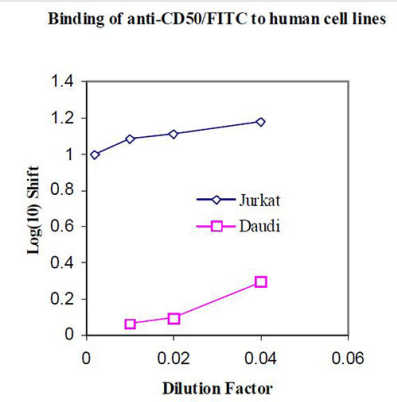
CD50 Antibody – Mouse Monoclonal

PRODUCT OVERVIEW

Product Name	CD50, Monoclonal Antibody
Full Product Name	anti-human CD50-FITC
Product Gene Name	anti-CD50 antibody
Product Synonym Names	Monoclonal anti-human CD50 (ICAM-3)/FITC
Clonality	Monoclonal
Isotype	IgG2b
Clone Number	186-2G9
Host	Mouse
Species Reactivity	Human
Form/Format	50 mM Sodium Phosphate pH 7.5, 100 mM Potassium Chloride, 150mM NaCl, 5% Glycerol, 0.2% BSA.
Concentration	Volume: 0.2ml (lot specific)
Preparation and Storage	Store at 2 - 5 degree C. Freeze/Thawing is not recommended. Protect from light Product should retain activity for at least 12 months after shipping date when stored as recommended.
Performance	Five x 105 cultured Jurkat-4G cells were washed and incubated 45 minutes on ice with 80 ul of anti-CD50/FITC at a dilution factor of 1:50 (10 ug/ml). Cells were washed three times, fixed and analyzed by FACS. Cells stained positive with a mean shift of 1.11 log10 fluorescent units when compared to a Mouse IgG2b/FITC negative control at a similar concentration. Binding was blocked when cells were pre incubated 10 minutes with 20 ul of 0.5 mg/ml anti-CD50 antibody.
Conjugation	FITC
Production	Protein A purified antibody from tissue culture supernatant was reacted with FITC. Unconjugated FITC was separated from antibody/FITC conjugate by desalting column. The antibody/FITC conjugate is at 0.5 mg/ml with a Fluorescein/IgG molar ratio of 10.1.
Buffer	50 mM Sodium Phosphate pH 7.5, 100 mM Potassium Chloride, 150mM NaCl, 5% Glycerol, 0.2% BSA, 0.04% NaN3 (as a preservative).
Immunogen	Stimulated human leukocytes
Applications Tested/Suitable for anti-CD50 antibody	Flow Cytometry (FC/FACS), PS
Application Notes for anti-CD50 antibody	1:50 (or use 1.6ul of concentrated stock per 5 x 105-cell test)
Related Product Information for anti-CD50 antibody	**Information:** Human CD50 is an adhesion molecule that interacts with LFA-1 (CD18/CD11a) and provides a costimulatory signal for T cells which is thought to be essential for initiation of immune responses. Antibody 186-2G9 recognizes the D1 domain of the ICAM-3 molecule of 130 kd (4), and blocks binding of CD11a (LFA-1) to CD50 (ICAM-3).
Product References and Citations for anti-CD50 antibody	1) Leukocyte Typing V (S.F. Schlossman, et al, eds.) Oxford University Press, Oxford (1995) p. 1546-1547, 1578-1579. 2) C.L. Holness, et al, (1995) J Biol Chem 270: 877-884. 3) Y. van Kooyk, et al, (1996) J Exp Med 183: 1247-1252. 4) Leukocyte Typing VI (T. Kishimoto, et al, eds.) Garland Publishing, Inc., New York (1997) p. 403-409.
Other Notes	Small volumes of anti-CD50 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

Searchable Terms for CD50 purchase	MBS666269 is an antibody targeting CD50. Also known as anti-human CD50-FITC. Reactive in Human. Host: Mouse.



Testing Data of anti-CD50 antibody

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for CD50. It may not necessarily be applicable to this product.

Protein Family	Intercellular adhesion molecule
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