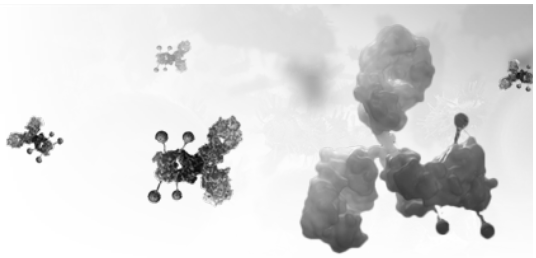

Mouse Anti-Human CD2 monoclonal antibody, clone H22 [Biotin] (CABT-G11MH)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	The CD2 antigen is present on approximately 80% of normal peripheral blood lymphocytes,>95% of thymocytes, 100% of mature circulating T-cells and a subset of NK cells.
Specificity	This antibody recognizes Human CD2. This monoclonal antibody was purified using multi-step affinity chromatography methods such as Protein A or G depending on the species and isotype. Anti-Human CD2 recognizes a cell surface glycoprotein on human lymphocytes. This antigen also forms the binding site for sheep erythrocytes.
Target	CD2
Immunogen	CD2 antigen
Isotype	IgG2a
Source/Host	Mouse
Species Reactivity	Human
Clone	H22
Purification	Affinity purified
Conjugate	Biotin
Applications	FC
Format	Liquid
Concentration	1 mg/ml
Size	1 mg

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Buffer	0.01 M phosphate buffered saline (PBS) pH 7.2, 150 mM NaCl with no carrier protein or potassium.
Preservative	None
Storage	This antibody is stable for at least one week when stored sterile at 2-8°C. For long term storage aseptically aliquot in working volumes without diluting and store at –80°C. Avoid Repeated Freeze Thaw Cycles.

BACKGROUND

Introduction	Appropriate pairs of anti-CD2 antibodies will stimulate peripheral T-cell proliferation and effector function. The CD2 molecule has been shown to be the receptor for leukocyte function antigen (LFA-3/CD58), the binding of which augments T-cell activation mediated by the T-cell antigen receptor (TCR). Anti-Human CD2 can be used to deplete CD2 positive cells by complement-mediated cytotoxicity. Analyses of NK lymphocyte subsets and identification of lymphomas and leukemias of T-cell origin have been done using Anti-CD2 antibodies.
Keywords	CD2;Cd2 molecule;CD2R;LFA2;OX34;LFA-2;OX-34;T-cell surface antigen CD2;CD2 antigen;OX-34 antigen;LFA-3 receptor;T-cell surface antigen T11/Leu-5;OX-45 surface antigen homolog to human T lymphocyte CD2 antigen

GENE INFORMATION

Entrez Gene ID	914
UniProt ID	P06729

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