

Mouse anti-Feline CD4 Monoclonal Antibody | anti-CD4 antibody

Mouse Anti-Feline CD4-UNLB

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA78702	Mouse	Feline	Immunoprecipitation, Immunohistochemistry, Flow Cytometry, Functional Assay

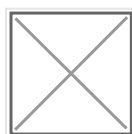
PRODUCT SYNONYMS

CD4; Monoclonal Antibody; Mouse Anti-Feline CD4-UNLB; Mouse Anti-Feline CD4 - Purified; Unlabeled Antibody; Mouse Anti-Feline CD4; anti-CD4 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Feline
Clonality	Monoclonal
Isotype	Mouse IgG1 kappa
Clone Number	3-4F4
Specificity	Feline CD4, Mr 65 kDa Feline CD4, a member of the immunoglobulin superfamily of cell surface receptors, is a type I transmembrane glycoprotein that is expressed on the "helper/inducer" subpopulation of peripheral T lymphocytes. It is present on approximately 55% of thymocytes, 15% of splenocytes, 40% of lymph node cells, and 25% of peripheral blood lymphocytes.1-3 CD4 functions as an accessory molecule in the recognition of foreign antigens in association with MHC Class II antigens by T cells.
Form/Format	Purified (UNLB) Antibody
Sequence Length	71
Applicable Applications for anti-CD4 antibody	IP (Immunoprecipitation), IHC (Immunohistochemistry), FCM/FACS (Flow Cytometry)
Immunogen	Feline T cells
Characterization	To insure lot to lot consistency, each batch of product is tested by flow cytometry to conform to characteristics of a standard reference reagent. Representative data are included in this product insert.
Preparation and Storage	The purified (UNLB) antibody is supplied as 0.5 mg of purified immunoglobulin in 1.0 mL of 100 mM borate buffered saline, pH 8.2. No preservatives or amine-containing buffer salts added. Store at 2- 8 degree C. The fluorescein (FITC) conjugate is supplied as 0.5 mg in 1.0 mL of PBS/NaN3. Store at 2-8 degree C. The biotin (BIOT) conjugate is supplied as 0.5 mg in 1.0 mL of PBS/NaN3. Store at 2-8 degree C. The R-phycoerythrin (R-PE) conjugate is supplied as 0.1 mg in 1.0 mL of PBS/NaN3 and a stabilizing agent. Store at 2-8 degree C. Do not freeze! Protect conjugated forms from light. Each reagent is stable for the period shown on the bottle label if stored as directed.

IMAGES



Application Data

Feline peripheral blood lymphocytes were stained with Mouse Anti-Feline CD4-PE and Mouse Anti-Feline CD8-FITC .

ADDITIONAL INFORMATION

References	1. Ackley, C.D., E.A. Hoover, and M.D. Cooper. 1990. Tissue Antigens 35:92-98. 2. Ackley, C.D., J.K. Yamamoto, N. Levy, N.C. Pedersen, and M.D. Cooper. 1990. J. Virol. 64:5652-5655. 3. Dean, G.A., S.L. Quackenbush, C.D. Ackley, M.D. Cooper, and E.A. Hoover. 1991. Vet. Immunol. Immunopathol 28:327-335.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	3947700
NCBI GeneID	920
UniProt Accession #	Q13969; P01730; Q6LCP8
NCBI Official Full Name	CD4
NCBI Official Synonym Full Names	CD4 molecule
NCBI Official Symbol	CD4
NCBI Official Synonym Symbols	CD4mut
NCBI Protein Information	T-cell surface glycoprotein CD4; CD4 receptor; CD4 antigen (p55); OTTHUMP00000238897; T-cell surface antigen T4/Leu-3
UniProt Protein Name	CD4 protein
UniProt Gene Name	CD4
UniProt Synonym Gene Names	CD4 receptor
UniProt Entry Name	Q13969_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.