

Rat CD4 Monoclonal Antibody | anti-CD4 antibody

RAT ANTI DOG CD4

CATALOG # AAA50181	HOST Rat	APPLICATIONS Flow Cytometry, Functional Assay, Immunohistochemistry
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PRODUCT SYNONYMS

CD4; Monoclonal Antibody; RAT ANTI DOG CD4; anti-CD4 antibody

PRODUCT SPECIFICATIONS

Host	Rat
Clonality	Monoclonal
Isotype	IgG2a
Clone Number	YKIX302.9
Form/Format	Purified Purified IgG - liquid
Concentration	IgG concentration 1.0 mg/ml (varies by lot)
Sequence Length	463
Applicable Applications for anti-CD4 antibody	FCM/FACS (Flow Cytometry), IHC (Immunohistochemistry)
Perservative Stabilisers	0.09% Sodium Azide (NaN ₃) Preparation
Buffer Solution	Phosphate buffered saline
Target Species	Dog
Preparation and Storage	Store at 4 degree C or at -20 degree C if preferred. This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use. Shelf Life: 18 months from date of despatch.

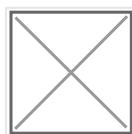
IMAGES


Application Data

Staining of canine peripheral blood lymphocytes with Rat anti Canine CD4: APC


Application Data

Staining of canine peripheral blood lymphocytes with Rat anti Canine CD4: Alexa FluorR 488


Application Data

Staining of canine peripheral blood lymphocytes with Rat anti Canine CD4: FITC

ADDITIONAL INFORMATION

Related Product Information for anti-CD4 antibody	Rat anti Dog CD4 antibody (YKIX302.9) is a monoclonal antibody specific for the canine CD4 cell surface antigen. Clone YKIX302.9 was clustered at the first Canine Leukocyte Antigen Workshop (CLAW) [Cobbold et al. 1992] along with clone CA13.1E4. Rat anti Dog CD4 (YKIX302.9) has been demonstrated to partially deplete circulating T lymphocytes when administered in vivo, but alone was not sufficient to prolong allograft survival in a canine transplant model (Watson et al. 1993). Uniquely amongst mammals, canine CD4 is expressed by neutrophils as well as by lymphocytes subsets Moore et al. 1992. Rat anti Canine CD4 (YKIX302.9) forms part of a panel of anti canine monoclonal antibodies used extensively in the evaluation of leukemic status in dogs (Villiers 2002).
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NCBI AND UNIPROT INFORMATION

NCBI GI #	55742794
NCBI GeneID	403931
NCBI Accession #	NP_001003252.1
NCBI GenBank Nucleotide #	NM_001003252.1
UniProt Accession #	P33705
Molecular Weight	51,640 Da
NCBI Official Full Name	T-cell surface glycoprotein CD4
NCBI Official Symbol	CD4
NCBI Protein Information	T-cell surface glycoprotein CD4; CD4 antigen (p55); T-cell surface antigen T4/Leu-3
UniProt Protein Name	T-cell surface glycoprotein CD4
UniProt Gene Name	CD4
UniProt Entry Name	CD4_CANFA

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.