

Mouse CD18 Monoclonal Antibody | anti-CD18 antibody

MOUSE ANTI DOG CD18

CATALOG #	HOST	APPLICATIONS
AAA50190	Mouse	Immunoprecipitation, Immunofluorescence, Flow Cytometry, Functional Assay, Immunohistochemistry

PRODUCT SYNONYMS

CD18; Monoclonal Antibody; MOUSE ANTI DOG CD18; anti-CD18 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Clonality	Monoclonal
Isotype	IgG1
Clone Number	CA1.4E9
Form/Format	Purified Purified IgG - liquid
Concentration	IgG concentration 1.0 mg/ml (varies by lot)
Sequence Length	777
Applicable Applications for anti-CD18 antibody	IP (Immunoprecipitation), IF (Immunofluorescence), 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. Storage in frost-free freezers is not recommended. 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

Dog peripheral blood monocytes stained with Mouse anti Dog CD18 (AAA50190) followed by Rabbit F(ab')₂ anti Mouse IgG:FITC



Application Data

Dog peripheral blood monocytes stained with Mouse anti Canine CD18: Alexa FluorR -647

ADDITIONAL INFORMATION

Related Product Information for anti-CD18 antibody	Mouse anti Dog CD18 antibody, clone CA1.4E9 recognises the canine CD18 cell surface antigen, also known as the b2 integrin. The tissue and cellular distribution of CD18 in canine tissue closely follows that observed for humans (Moore et al. 1990) CD18 is expressed by virtually all leucocytes, but more strongly upon monocytes and granulocytes than on lymphocytes. The cross reactivity patterns of Mouse anti Canine CD18, clone CA1.4E9 further indicate that the antibody clone recognizes an epitope common to a number of mammalian species. Immunoprecipitation experiments using detergent lysates of iodinated peripheral blood leukocytes indicate that clone Ca1.4E9 immunoprecipitates the common 95kDa beta 2 integrin chain (CD18) along with the non-covalently associated alpha chains at 180kDa (CD11a), 165kDa (CD11b) and 150kDa (CD11c) (Moore et al. 1990). Of note is the lack of precipitation of the integrin alpha D chain (CD11d), this is likely due to the almost complete absence of CD11d expression on peripheral blood lymphocytes, in contrast to expression in the splenic red pulp (Fry et al. 2003). High CD18 expression is a common feature of lymphoma and hyperplasia in dogs (Caniatti et al. 1996)
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NCBI AND UNIPROT INFORMATION

NCBI GI #	185133705
NCBI GeneID	100136144
NCBI Accession #	NP_001117907.1
NCBI GenBank Nucleotide #	NM_001124435.1
NCBI Official Full Name	CD18 protein
NCBI Official Symbol	cd18
NCBI Protein Information	CD18 protein

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.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/cd18-antibody-clone-ca1-4e9-immunoprecipitation-immunofluorescence-flow-cytometry-immunohistochemistry-elisa/50190>