

Anti-CD11a/CD18 [YKIX490.6.4] Standard Size Ab00593-201.4

This antibody was created using our proprietary Fc Silent™ engineered Fc domain containing key point mutations that abrogate binding to Fc gamma receptors.

This chimeric dog antibody was made using the variable domain sequences of the original Rat IgG2c format, for improved compatibility with existing reagents, assays and techniques.

Isotype and Format: Dog IgG2 (IgG-B), [Fc Silent™](#), Kappa

Clone Number: YKIX490.6.4

Alternative Name(s) of Target: αLβ2 integrin; integrin alpha-L; integrin beta-2; LeuCAM

UniProt Accession Number of Target Protein:

Published Application(s): Blocking, IHC-paraffin, IHC-resin, IP, FC, IHC-Fr

Published Species Reactivity: Dog

Immunogen: This antibody was prepared by immunizing rats with canine thymocytes

Specificity: This antibody recognizes canine LFA-1, an integrin consisting of a 180kDa CD11a chain complexed with a 95kDa common beta chain, CD18. LFA-1 is expressed on T cells, B cells, macrophages and neutrophils.

Application Notes: This antibody binds CD11a/18, and has been shown to block T cell proliferation, cytotoxic T lymphocyte (CTL) lysis, antibody dependent cell mediated cytotoxic (ADCC) lysis and homotypic cell adhesion (Cobbold, 1994). This antibody has been used in IF and IP analysis to identify and characterise the canine homologue of human CD11a/18.

Antibody First Published in: Cobbold et al. Monoclonal antibodies that define canine homologues of human CD antigens: Summary of the First International Canine Leukocyte Antigen Workshop (CLAW) Tissue Antigens. 1994 Mar;43(3):137-54. [PMID:8091414](#)

Note on publication: Describes the identification and characterisation of a panel of monoclonal antibodies that define canine homologues of human CD antigens.

Product Form

Size: 200 µg Purified antibody.

Purification:

Protein A affinity purified

Supplied In: PBS with 0.02% Proclin 300.

Storage Recommendation: Store at 4°C for up to 3 months. For longer storage, aliquot and store at -20°C.

Concentration: 1 mg/ml.

Important note – This product is for research use only. It is not intended for use in therapeutic or diagnostic procedures for humans or animals.