

## Anti-CD11a/CD18 [YKIX490.6.4] Standard Size Ab00593-9.1

This reformatted rat 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:** Rat IgG2c, Kappa

**Clone Number:** YKIX490.6.4

**Alternative Name(s) of Target:**  $\alpha$ L $\beta$ 2 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.