

Monoclonal Antibody to Canine CD4 -FITC

Catalog No.:	SM409F
Quantity/Conc.:	0.1 mg / 0.1 mg/ml
Clone:	YKIX 302.9
Host/Isotype:	Rat IgG2a
Immunogen:	Canine Concanavilin A activated T-cell blasts.
Format:	This antibody is supplied as liquid, Protein G affinity purified immunoglobulin fraction, conjugated to Fluorescein Isothiocyanate Isomer 1 (FITC) in PBS buffer with 0.09% sodium azide as preservative and 1% BSA as stabilizer.
Applications:	Flow cytometry: use 10 µl of neat antibody to label 10 ⁶ cells. Optimal dilutions of this antibody are dependent on conditions and should be determined by the user.
Specificity:	This antibody recognises the canine CD4 cell surface antigen. The antibody has been shown to block MHCII dependent T cell responses in vivo and in vitro. In the dog CD4 is expressed by neutrophils as well as by lymphocytes subsets.
Storage:	Store the antibody at 4-8°C for one month or at -20°C for longer. This product should be stored undiluted. This product is photosensitive and should be protected from light. Avoid repeated freezing and thawing. Shelf life: one year from despatch.
References:	<ol style="list-style-type: none">1. Cobbold, S. & Metcalfe, S. (1994). Monoclonal antibodies that define canine homologues of human CD antigens: summary of the First International Canine Leukocyte Antigen Workshop (CLAW). <i>Tissue Antigens</i> 43(3): 137-154.2. Gorman, S., et al. (1994). Isolation and expression of cDNA encoding the canine CD4 and CD8a antigens. <i>Tissue Antigens</i> 43(3): 184-188.3. Watson, C.J.E., et al. (1993). CD4 and CD8 monoclonal antibody therapy: strategies to prolong renal allograft survival in the dog. <i>Brit. J. Surg.</i> 80: 1389-1392.

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For research and *in vitro* use only. Not for diagnostic or therapeutic work.
Material Safety Datasheets are available at www.acris-antibodies.com or on request.