

SM416F**Monoclonal Antibody to CD45 (CD45R) - FITC**

Alternate names:	CD45R, L-CA, Leukocyte common antigen, PTPRC, T200
Quantity:	0.1 mg
Concentration:	0.1 mg/ml
Background:	CD45 is expressed on all leukocytes in canine peripheral blood and may be against the CD45R isoforms. CD45R is expressed on subsets of leukocytes (neutrophils are weak) in canine blood of all out bred mongrels and beagles tested.
Host / Isotype:	Rat / IgG2b
Clone:	YKIX753.22.2
Immunogen:	Canine thymocytes. Spleen cells from immunised DA rat were fused with cells of the Y3/A1.2.3 rat myeloma cell line.
Format:	State: Liquid purified IgG Purification: Affinity chromatography on Protein G Buffer System: PBS, pH 7.4 containing 0.09% Sodium Azide and 1% Bovine Serum Albumin Label: FITC – Fluorescein Isothiocyanate Isomer 1
Applications:	Flow Cytometry: Neat - 1/5; Use 10µl of the suggested working dilution to label 10e6 cells in 100µl. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Specificity:	This antibody, clone YKIX 753.22.2, was clustered as CD45R in the First Canine Leucocyte Antigen Workshop (CLAW). Species: Dog. Other species not tested.
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing. This product is photosensitive and should be protected from light. Shelf life: one year from despatch.
General Readings:	1. Cobbold S, Metcalfe S. 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. PubMed PMID: 8091414.

Pictures:

Staining of canine peripheral blood lymphocytes with rat anti-canine CD45R: FITC (SM416F).

