

SM415B**Monoclonal Antibody to CD45 - Biotin**

Alternate names:	CD45R, CD45RA, CD45RB, CD45RO, L-CA, Leukocyte common antigen, PTPRC, T200
Quantity:	0.1 mg
Concentration:	0.1 mg/ml
Background:	Expressed on all leukocytes in canine peripheral blood. (May be against CD45RB isoform).
Host / Isotype:	Rat / IgG2b
Recommended Isotype Controls:	SM19B
Clone:	YKIX716.13
Immunogen:	Canine thymocytes. Spleen cells from immunised DA rats were fused with cells of the Y3/Ag1.2.3 rat myeloma cell line. Genename: CD45
Format:	State: Liquid purified IgG fraction Purification: Affinity Chromatography on Protein G Buffer System: PBS Preservatives: 0.09% Sodium Azide Stabilizers: 1% BSA Label: Biotin
Applications:	Flow Cytometry (Neat). Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Specificity:	Clustered as CD45 in the First Canine Leukocyte Antigen Workshop. This antibody reacts with CD45 on all outbred mongrels and beagles tested. Rat anti Dog CD45 antibody, clone YKIX716.13 recognizes canine CD45 also known as leukocyte common antigen lustered as Canine CD45 in the First Canine Leukocyte Antigen Workshop (CLAW). Clone YKIX 716.13: immunoprecipitates an antigen of 180/200kD from Con-A blasts (Cobbold et al. 1994). CD45 is expressed on all leukocytes in canine peripheral blood. Rat anti Dog CD45 antibody, clone YKIX716.13 reacts with CD45 on all outbred mongrels and beagles tested and may be against CD45RB isoform. Species: Canine (Dog). Other species not tested.
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. 2. Reis AB, Teixeira-Carvalho A, Giunchetti RC, Guerra LL, Carvalho MG, Mayrink W, et al. Phenotypic features of circulating leucocytes as immunological markers for clinical status and bone marrow parasite density in dogs naturally infected by Leishmania chagasi. Clin Exp Immunol. 2006 Nov;146(2):303-11. PubMed PMID: 17034583.

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