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SM415P OriGene EU

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Monoclonal Antibody to CD45 - Purified

Alternate names:	CD45R, CD45RA, CD45RB, CD45RO, L-CA, Leukocyte common antigen, PTPRC, T200
Catalog No.:	SM415P
Quantity:	0.25 mg
Concentration:	1.0 mg/ml
Background:	CD45 is expressed on all leukocytes in canine peripheral blood and may be against CD45RB isoform.
Host / Isotype:	Rat / IgG2b
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.
Format:	State: Liquid purified IgG fraction Purification: Affinity Chromatography on Protein G Buffer System: PBS Preservatives: 0.09% Sodium Azide
Applications:	Flow Cytometry: 1/50-1/100. Immunoprecipitation: immunoprecipitates an antigen of 180/200kD from Con-A blasts. 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 clone YKIX 716.13. 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: Dog. Other species not tested.
Storage:	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing. 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.

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.



OG/20150930

Acris Antibodies is now part of the OriGene family. Learn more at www.origene.com



Pictures:

SM415P: Monoclonal Antibody to CD45 - Purified

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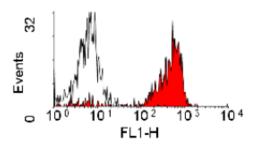
10. Giantin M, Aresu L, Aricò A, Gelain ME, Riondato F, Martini V, et al. Evaluation of tyrosine-kinase receptor c-KIT (c-KIT) mutations, mRNA and protein expression in canine leukemia: might c-KIT represent a therapeutic target? Vet Immunol Immunopathol. 2013 Apr 15;152(3-4):325-32. doi: 10.1016/j.vetimm.2013.01.003. Epub 2013 Jan 16. PubMed PMID: 23375718.

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Staining of canine peripheral blood lymphocytes with rat anti-canine CD45 (SM415P), using F(ab')2 rabbit anti rat IgG:FITC (SP1021F) as a secondary antibody.



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