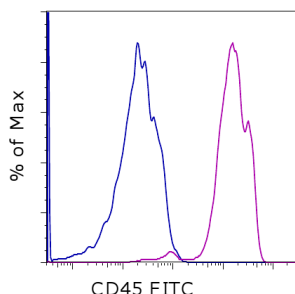


Anti-Canine CD45 FITC

Catalog Number: 11-5450

RUO: For Research Use Only. Not for use in diagnostic procedures.



Staining of normal canine peripheral blood cells with Rat IgG2b K Isotype Control FITC (cat. 11-4031) (blue histogram) or Anti-Canine CD45 FITC (purple histogram). Cells in the lymphocyte gate were used for analysis.

Product Information



Contents: Anti-Canine CD45 FITC

Catalog Number: 11-5450

Clone: YKIX716.13

Concentration: 5 µL (0.25 µg)/test

Host/Isotype: Rat IgG2b, kappa



Formulation: aqueous buffer, 0.09% sodium azide, may contain carrier protein/stabilizer

Temperature Limitation: Store at 2-8°C. Do not freeze. Light-sensitive material.



Batch Code: Refer to vial



Use By: Refer to vial

Description

This YKIX716.13 monoclonal antibody reacts with canine CD45, also known as the leukocyte common antigen. CD45 is expressed by all hematopoietic cells except red blood cells and platelets. CD45 exists as multiple isoforms due to alternative splicing. The C-terminal domain of CD45 exhibits tyrosine phosphatase activity that enables signaling by T cell and B cell receptors following activation.

This monoclonal antibody recognizes all isoforms of CD45. In addition, when used in conjunction with YKIX753.22, this antibody has been reported to promote cell depletion via antibody-dependent cell-mediated cytotoxicity.

Applications Reported

This YKIX716.13 antibody has been reported for use in flow cytometric analysis.

Applications Tested

This YKIX716.13 antibody has been pre-titrated and tested by flow cytometric analysis of normal canine peripheral blood cells. This can be used at 5 µL (0.25 µg) per test. A test is defined as the amount (µg) of antibody that will stain a cell sample in a final volume of 100 µL. Cell number should be determined empirically but can range from 10⁵ to 10⁸ cells/test.

References

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. (YKIX716.13, FC)

Related Products

11-4031 Rat IgG2b K Isotype Control FITC

11-5040 Anti-Canine CD4 FITC (YKIX302.9)

46-5050 Anti-Canine CD5 PerCP-eFluor® 710 (YKIX322.3)

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