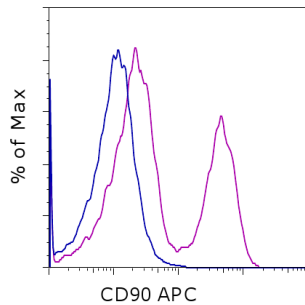


Anti-Canine CD90 (Thy-1) APC

Catalog Number: 17-5900

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



Staining of normal canine peripheral blood cells with Rat IgG2b K Isotype Control APC (cat. 17-4031) (blue histogram) or Anti-Canine CD90 (Thy-1) APC (purple histogram). Cells in the lymphocyte gate were used for analysis.

Product Information

Contents: Anti-Canine CD90 (Thy-1) APC
Catalog Number: 17-5900
Clone: YKIX337.217
Concentration: 5 μ L (0.125 μ g)/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.



LOT



Batch Code: Refer to vial

Use By: Refer to vial

Description

This YKIX337.217 monoclonal antibody reacts with canine CD90, which is also known as Thy-1. This 25-37 kDa N-glycosylated cell adhesion molecule is expressed on thymocytes, peripheral T cells, some B cells, monocytes, and granulocytes albeit at a lower level. CD90 is also expressed on cells in the bone marrow, brain, and kidney, as well as on mesenchymal stem cells.

This monoclonal antibody has been reported to deplete cells *in vitro* and *in vivo*.

Applications Reported

This YKIX337.217 antibody has been reported for use in flow cytometric analysis.

Applications Tested

This YKIX337.217 antibody has been pre-titrated and tested by flow cytometric analysis of normal canine peripheral blood cells. This can be used at 5 μ L (0.125 μ g) per test. A test is defined as the amount (μ g) of antibody that will stain a cell sample in a final volume of 100 μ L. Cell number should be determined empirically but can range from 10^5 to 10^8 cells/test.

References

Kang JW, Kang KS, Koo HC, Park JR, Choi EW, Park YH. Soluble factors-mediated immunomodulatory effects of canine adipose tissue-derived mesenchymal stem cells. *Stem Cells Dev.* 2008 Aug;17(4):681-93.

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. (YKIX337.217, FC)

McKenzie JL, Fabre JW. Studies with a monoclonal antibody on the distribution of Thy-1 in the lymphoid and extracellular connective tissues of the dog. *Transplantation.* 1981 Apr;31(4):275-82.

Related Products

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17-4031 Rat IgG2b K Isotype Control APC

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