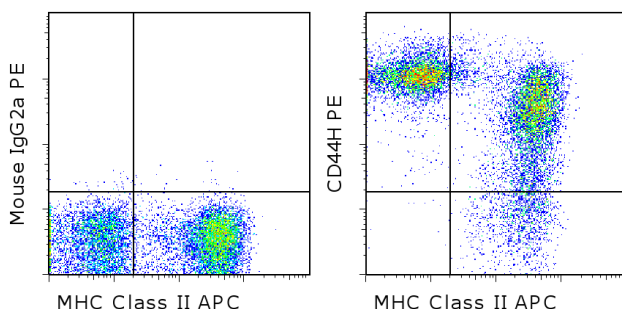


Anti-Rat CD44H PE

Catalog Number: 12-0444

Also known as: CD44s, Pgp-1, H-CAM

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



Staining of rat splenocytes with Anti-Rat MHC Class II APC (cat. 17-0920) and 0.03 ug of Mouse IgG2a K Isotype Control PE (cat. 12-4724) (left) or Anti-Rat CD44H PE (right). Cells in the lymphocyte gate were used for analysis.

Product Information



Contents: Anti-Rat CD44H PE

Catalog Number: 12-0444

Clone: OX49

Concentration: 0.2 mg/mL

Host/Isotype: Mouse IgG2a, 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



Contains sodium azide

Description

This OX49 monoclonal antibody recognizes rat CD44H, which is also known as homing-associated cell adhesion molecule (H-CAM) or phagocytic glycoprotein-1 (Pgp-1). This isoform of CD44 is the cell surface receptor for hyaluronate, a component of the extracellular matrix. CD44H is highly expressed on hematopoietic and non-hematopoietic cells, and exists as multiple splice variants. CD44H plays a critical role in lymphocyte activation and homing.

Applications Reported

This OX49 antibody has been reported for use in flow cytometric analysis.

Applications Tested

This OX49 antibody has been tested by flow cytometric analysis of rat splenocytes. This can be used at less than or equal to 0.06 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. It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest.

References

Varas A, Vicente A, Sacedón R, Zapata AG. Interleukin-7 influences the development of thymic dendritic cells. *Blood*. 1998 Jul 1;92(1):93-100. (OX49, FC)

Jain M, He Q, Lee WS, Kashiki S, Foster LC, Tsai JC, Lee ME, Haber E. Role of CD44 in the reaction of vascular smooth muscle cells to arterial wall injury. *J Clin Invest*. 1996 Feb 1;97(3):596-603. (OX49, FC, IHC-p)

Zheng Z, Katoh S, He Q, Oritani K, Miyake K, Lesley J, Hyman R, Hamik A, Parkhouse RM, Farr AG, et al. Monoclonal antibodies to CD44 and their influence on hyaluronan recognition. *J Cell Biol*. 1995 Jul;130(2):485-95. (OX49, FC)

Paterson DJ, Jefferies WA, Green JR, Brandon MR, Corthesy P, Puklavec M, Williams AF. Antigens of activated rat T

Not for further distribution without written consent.

Copyright © 2000-2012 eBioscience, Inc.

Tel: 888.999.1371 or 858.642.2058 • Fax: 858.642.2046 • www.ebioscience.com • info@ebioscience.com

Anti-Rat CD44H PE

Catalog Number: 12-0444

Also known as: CD44s, Pgp-1, H-CAM

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

lymphocytes including a molecule of 50,000 Mr detected only on CD4 positive T blasts. Mol Immunol. 1987 Dec;24(12):1281-90. (**OX49**)

Related Products

12-4724 Mouse IgG2a K Isotype Control PE

17-0920 Anti-Rat MHC Class II APC (HIS19)