

A Reliable Research Partner in Life Science and Medicine

Elab Fluor® 700 Anti-Rat CD44H Antibody[OX-49]

Catalog Number: E-AB-F1225UM1

Note: Centrifuge before opening to ensure complete recovery of vial contents.

Description

Reactivity Rat Host Mouse

Isotype Mouse IgG2a, ĸ

Clone No. OX-49

Isotype Control Elab Fluor® 700 Mouse IgG2a, κ Isotype Control[C1.18.4] [Product E-AB-F09803M1]

Conjugation Elab Fluor®700

Conjugation Information Elab Fluor® 700 is designed to be excited by the Red laser (627-640 nm) and detected

using an optical filter centered near 719 nm (e.g., a 725/40 nm bandpass filter).

Phosphate buffered solution, pH 7.2, containing 0.09% stabilizer. Storage Buffer

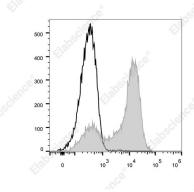
Applications Recommended usage

FCM

Each lot of this antibody is quality control tested by flow cytometric analysis. Please check your vial before the experiment. Since applications vary, the appropriate dilutions must be determined for individual use. We suggest each investigator should titrate the reagent to obtain optimal results [The recommended concentration is 0.1-1 μg/10⁶ cells

in 100 µL volume].

Data



Staining of Rat splenocytes with Elab Fluor® 700 Anti-Rat CD44H Antibody[OX-49](filled gray histogram) or Elab Fluor

[®] 700 Mouse IgG2a, к Isotype Control(empty black histogram). Total viable cells were used for analysis.

Preparation & Storage

Keep as concentrated solution. Storage

This product can be stored at 2-8°C for 12 months. Please protected from prolonged

exposure to light and do not freeze.

Shipping Ice bag

Antigen Information

Alternate Names CD44sH-CAM;CD44H;Pqp-1

Uniprot ID P26051 12505 Gene ID

For Research Use Only

Fax: 1-832-243-6017 Tel: 1-832-243-6086 Toll-free: 1-888-852-8623

Email:techsupport@elabscience.com Web:www.elabscience.com

Elabscience Bionovation Inc.



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Background

CD44 is an 80-95 kD cell surface glycoprotein. It is expressed on all leukocytes, endothelial cells, hepatocytes, and mesenchymal cells. It is up-regulated when T cells and B cells are activated. It was reported that CD44 is a valuable marker for memory T cells. CD44 is an adhesion molecule involved in leukocyte adhesion and homing to lymphoid organs. The OX-49 antibody reacts with CD44H (known as CD44s) expressed on most leukocytes, except for a subset of B lymphocytes. The epitope recognized by OX-49 antibody has been mapped to a region on both the standard, CD44s, and the splice variant, CD44v, isoforms of CD44. However it was reported that OX-49 antibody cannot detect the CD44V isoform, possibly due to conformational changes in the epitope.