

A Reliable Research Partner in Life Science and Medicine

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

Catalog Number: E-AB-F1225M1

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

### **Description**

Reactivity Rat
Host Mouse

**Isotype** Mouse IgG2a, κ

Clone No. OX-49

Isotype Control Elab Fluor® 700 Mouse IgG2a, κ Isotype Control[C1.18.4] [Product E-AB-F09802M1]

Conjugation Elab Fluor® 700

**Conjugation Information** Elab Fluor<sup>®</sup> 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).

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

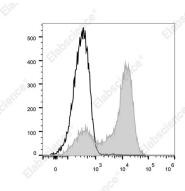
## Applications Recommended usage

**FCM** Each lot of this

Each lot of this antibody is quality control tested by flow cytometric analysis. The amount of the reagent is suggested to be used 5  $\mu$ L of antibody per test (million cells in 100  $\mu$ L staining volume or per 100  $\mu$ L of whole blood). Please check your vial before the experiment. Since applications vary, the appropriate dilutions must be determined for

individual use.

#### Data



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

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

#### **Preparation & Storage**

**Storage** Keep as concentrated solution.

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;Pgp-1

 Uniprot ID
 P26051

 Gene ID
 12505

## For Research Use Only

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#### 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.