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PE/Cyanine7 Anti-Rat CD44H Antibody[OX-49]

Catalog Number: E-AB-F1225UH

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

Description

Reactivity Rat Host Mouse

Isotype Mouse IgG2a, ĸ

Clone No. OX-49

PE/Cyanine7 Mouse IgG2a, κ Isotype Control[C1.18.4] [Product E-AB-F09803H] Isotype Control

Conjugation

Conjugation Information PE/Cyanine7 is designed to be excited by the Blue (488 nm), Green (532 nm) and

yellow-green (561 nm) lasers and detected using an optical filter centered near 775 nm

(e.g., a 780/60 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].

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;Pgp-1

Uniprot ID P26051 Gene ID 12505

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.

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