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PE/Cyanine 5 Anti-Human CD235 Antibody [HIR2]

Catalog Number: E-AB-F1080G

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

Description

Reactivity Human Mouse Host

Isotype Mouse IgG2b, ĸ

Clone No. HIR2

PE/Cyanine5 Mouse IgG2b, K Isotype Control[MPC-11] [Product E-AB-F09812G] Isotype Control

Conjugation

Conjugation Information PE/Cyanine5 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 670 nm

(e.g., a 690/50 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. The amount

> of the reagent is suggested to be used 5 µL of antibody per test (million cells in 100 μL staining volume or per 100 μL of whole blood). Please check your vial before the experiment. Since applications vary, the appropriate dilutions must be determined for

individual use.

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 CD235a/b;GYPA/B;Glycophorin-A/B;MN sialoglycoprotein;PAS-2/3;SS-active

sialoglycoprotein; Sialoglycoprotein alpha/delta

Uniprot ID P02724;P06028 Gene ID 2993;2994

Background The HIR2 antibody reacts with a common epitope of glycophorin A (CD235a) and

glycophorin B (CD235b). Glycophorin A is the major sialoglycoprotein expressed on red

blood cell membrane, and erythroid precursors. Glycophorin Ashares strong homology with glycophorin B. The HIR2 antibody recognizes human RBCs and erythroid precursors and is useful in erythroid cell development studies. Mature, nonnucleated red blood cells are characteristically glycophorin A positive, but CD45 and

CD71 negative.

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