anti-human CD235ab

monoclonal antibody HIR2 to CD235a

Cat-No: **21272351** 100 µg in 100 µl

Clone: HIR2

Specificity: The antibody HIR2 recognizes N-terminal portion of glycophorin A and weakly of glycophorin B. Their antigens are expressed on early erythroblasts, late erythroblasts, erythroblasts, mature erythrocytes and the cells of erythroid cell lines K562 and HEL, but not on all other cells. Mature, non-nucleated red blood cells are characteristically glycophorin A positive, but CD45 and CD71 negative.
HLDA VII; WS Code 70299

Form: purified by protein-A affinity chromatography

Isotype subclass: Mouse IgG2b

Physical state: Liquid

Buffer/Additives/Preservative: PBS containing 0.09 % sodium azide (pH 7.2).

Expiration date: The reagent is stable until the expiry date stated on the vial label.

Storage conditions: Store at 4°C. For long-term storage aliquot and store at -20°C. Avoid freeze/thaw cycles.

Application: Flow Cytometry, Western Blot

References:

- Nakahata T and Okumura N.: 1994;13: 401.
- Rogers CE and others: 1996; 24: 597.
- Bain BJ.: Gower Medical Publishing; 1990.
- Keren DF and others: Chicago, IL: ASCP Press; 1994.
- Yajima A and others: 2008;52(2):69-77.

Background: CD235ab is a transmembrane sialoglycoprotein expressed on erythrocytes and their precursors. Similarly to glycophorin B (GPB) these molecules provide the cells with a large mucin-like surface, which minimalizes aggregation between erythrocytes in the circulation. GPA is the carrier of blood group M and N specificities, while GPB accounts for S, s and U specificities.

Warning: Sodium azide is harmful if swallowed (R22). Keep out of reach of children (S2). Keep away from food, drink and animal feeding stuff (S13). Wear suitable protective clothing (S36). If swallowed, seek medical advice immediately and show this container or label (S46). Contact with acids liberates very toxic gas (R32). Azide compounds should be flushed with large volumes of water during disposal to avoid deposits in lead or copper plumbing where explosive conditions can develop.

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