

anti-human CD235ab PE-conjugated

PE-conjugated monoclonal antibody HIR2 to human CD235a

Cat-No: **21272354**

500 µl

Clone: HIR2

Specificity: The antibody HIR2 recognizes N-terminal portion of glycoprotein A and weakly of glycoprotein 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 glycoprotein A positive, but CD45 and CD71 negative.

HLDA VII; WS Code 70299

Isotype subclass: Mouse IgG2b

Form: The purified antibody is conjugated with R-Phycoerythrin (R-PE) under optimum conditions. The reagent is adjusted for direct use. No reconstitution is necessary.

Physical state: Liquid

Buffer/Additives/Preservative: PBS containing 1 % BSA and 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. Avoid prolonged exposure to light.

Application: The reagent is designed for Flow Cytometry analysis.

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 glycoprotein 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.

This material is offered for **research use only**. Not for use in human. For in vitro use only. ImmunoTools will not be held responsible for patent infringement or other violations that may occur with the use of our products.

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Gladiolenweg 2; 26169 Friesoythe; Germany
phone:+49-(0)4491-400997, fax:+49-(0)4491-400998, info@immunotools.com
www.immunotools.com