

anti-human CD235a

monoclonal antibody HI264 to human CD235a

Cat-No: **21812351**

100 µg in 100 µl

Clone: HI264

Specificity: The antibody HI264 recognizes N-terminal portion of glycophorin A. Its antigen is 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.

Isotype subclass: Mouse IgG2a

Form: Purified by protein-G affinity chromatography.

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: The reagent is designed for Flow Cytometry analysis.

References: * David M.A. Pascale, B. Armand et al., 2002, Leucocyte Typing VII: White Cell Differentiation Antigens, P 577-582

Background: **CD235a** is a transmembrane sialoglycoprotein expressed on erythrocytes and their precursors. GPA is the carrier of blood group M and N specificities which provides the cells with a large mucin-like surface, which minimalizes aggregation between erythrocytes in the circulation. Another function of CD235a is to be a membrane inhibitor of reactive lysis. CD235a is directed to papain-sensitive epitopes located in the extracellular specific domain of GPA, agglutinating papain-treated cells. CD235a a receptor of Hsa, an Streptococcus adhesin.

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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