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Mouse Anti-Human CD235a

Catalog# **CD235aUL-100 Size** **100 tests**

PRODUCT INFORMATION

CLONE: HI264
ISOTYPE: Mouse IgG2a, κ
WS.No.: VII 70312
Product Forms: Purified, FITC conjugation.

DESCRIPTION

CD235a McAb recognizes glycophorins A (GPA) which is single-pass membrane sialoglycoprotein. GPA is the carrier of blood group M and N specificities, which provides the cells with a large mucin-like surface and it has been suggested this provides a barrier to cell fusion, so minimizing aggregation between red blood cells in the circulation. Another function for CD235a that has been proposed is as a membrane inhibitor of reactive lysis. CD235a McAb directed to papain-sensitive epitopes located in the extracelluar specific domain of GPA, agglutinating papain-treated cells. GPA 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 erythrocytes are CD235a positive and CD45 and CD71 all negative.

PREPARATION

The monoclonal antibody is purified from ascites by protein G affinity chromatography and is conjugated with FITC under optimum conditions.

USAGE

The purified reagent is effective for indirect immunofluorescence staining of human cells for flow cytometric analysis.
The conjugated reagent (FITC) is tested for flow cytometric analysis using 20µl/10^6 cells or 100µl peripheral blood cells.

STORAGE

For purified forms, long term storage at -20oC.
For conjugated forms, storage at 4oC, should not be frozen and avoid prolonged exposure to light.

REFERENCES

David M., A. Pascale, B. Armand, et al., 2002. Leucocyte Typing VII: White Cell Differentiation Antigens. P577-582.

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