

Glycophorin A (AB1549) mouse mAb

W0347

Key Features

Host Species

- Mouse

Reactivity

- Human;

Applications

- IHC; WB; IF; ELISA

MW

- 16 kDa (calculated)
- 37 kDa (observed)

Isotype

- IgG1, kappa

Recommended Dilution Ratios

Application

IHC; WB; IF; ELISA

Dilution

IHC, 1:200-1:1000 | WB, 1:500-1:2000 | IF, 1:100-1:500 | ELISA, Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.

Storage

Storage Conditions

Store at -20°C. Avoid freeze / thaw cycles.

Storage buffer

The antibody is provided in liquid form in phosphate - buffered saline with 50% glycerol, 0.05% BSA, and 0.05% Proclin 300.

Basic Information

Clonality Monoclonal

Clone Number AB1549

Immunogen A synthetic peptide corresponding to the amino acid region 1 - 100 of the human Glycophorin A protein.

Specificity The antibody can specifically recognize human Glycophorin A protein.

Purification Affinity purification Protein A

Concentration Product concentration may vary by batch. Please refer to the product COA for details.

Target Information

Gene name GYPA

Protein Name Glycophorin A

Database Link	Organism	Swiss Prot.	Gene ID
	Human	P02724	2993

Background

Glycophorin A, also known as CD235a, is a sialic acid glycoprotein located on the surface of human erythrocytes. It is a erythroid specific antigen. Its expression is accompanied by the whole process of erythropoiesis. Maintaining high expression on erythrocytes indicates that the erythrocytes are mature. Oncogenic nucleated erythrocytes in most erythroid derived leukemia express this protein, while acute myeloid leukemia and acute lymphoma leukemia almost do not express, which is a useful marker to identify erythroid differentiation in hematopoietic malignancies.