

## Product datasheet

# Anti-Glycophorin A + B antibody [HIR2] (Biotin) ab93548

★★★★☆ 1 Abreviews 1 References

### 概述

产品名称	Anti-Glycophorin A + B抗体[HIR2] (Biotin)
描述	小鼠单克隆抗体[HIR2] to Glycophorin A + B (Biotin)
偶联物	Biotin
经测试应用	适用于: Flow Cyt
种属反应性	与反应: Human
免疫原	Synthetic peptide corresponding to Human Glycophorin A + B (N terminal).
阳性对照	Human peripheral blood leukocytes
常规说明	Mouse monoclonal [HIR2] to Glycophorin A (Biotin) also has a clone number GA-R2.

Binding of ab93548 to red cells at high antibody concentration causes cell agglutination.

### 性能

形式	Liquid
存放说明	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Store at -20°C or -80°C. Avoid freeze / thaw cycle.
存储溶液	Preservative: 0.09% Sodium Azide Constituents: PBS, 150mM Sodium chloride, pH 7.2
纯度	Protein G purified
Primary antibody说明	Binding of ab93548 to red cells at high antibody concentration causes cell agglutination.
克隆	单克隆
克隆编号	HIR2
同种型	IgG2b
轻链类型	kappa

### 应用

Our [Abpromise guarantee](#) covers the use of **ab93548** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

应用	Ab评论	说明
Flow Cyt	★★★★☆	Use 0.125µg for 10 <sup>5</sup> cells. Use 0.125µg for 10 <sup>5</sup> to 10 <sup>8</sup> cells in a final volume of 100 µl.

[ab18418](#)-Mouse monoclonal IgG2b, is suitable for use as an isotype control with this antibody.

## 靶标

### 相关性

Glycophorins A (GYPA) and B (GYPB) are major sialoglycoproteins of the human erythrocyte membrane which bear the antigenic determinants for the MN and Ss blood groups. GYPA gene consists of 7 exons and has 97% sequence homology with GYPB from the 5' UTR to the coding sequence encoding the first 45 amino acids. GYPB accounts for S, s and U specificities. GPA and GPB provide 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. In addition to the M or N and S or s antigens, that commonly occur in all populations, about 40 related variant phenotypes have been identified. These variants include all the variants of the Miltenberger complex and several isoforms of Sta; also, Dantu, Sat, He, Mg, and deletion variants Ena, S-s-U- and Mk. Most of the variants are resulted from gene recombinations between GYPA and GYPB. These 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 erythrocytes are characteristically CD235a positive and CD45 and CD71 negative).

### 细胞定位

Type I membrane protein.

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