

## PE Anti-Human CD235 Antibody[HIR2]

Catalog Number: E-AB-F1080D

Note: Centrifuge before opening to ensure complete recovery of vial contents.

### Description

<b>Reactivity</b>	Human
<b>Host</b>	Mouse
<b>Isotype</b>	Mouse IgG2b, κ
<b>Clone No.</b>	HIR2
<b>Isotype Control</b>	PE Mouse IgG2b, κ Isotype Control[MPC-11] [Product E-AB-F09812D]
<b>Conjugation</b>	PE
<b>Conjugation Information</b>	PE is designed to be excited by the Blue (488 nm), Green (532 nm) and Yellow-Green (561 nm) lasers and detected using an optical filter centered near 575 nm (e.g., a 585/42 nm bandpass filter).
<b>Storage Buffer</b>	Phosphate buffered solution, pH 7.2, containing 0.09% sodium azide and 1% BSA.

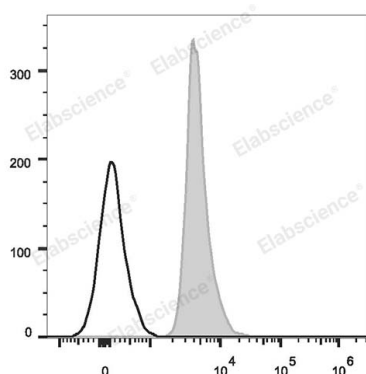
### Applications

### Recommended usage

FCM

Each lot of this antibody is quality control tested by flow cytometric analysis. **The amount of the reagent is suggested to be used 5 μL of antibody per test (million cells in 100 μL staining volume or per 100 μL of whole blood).** Please check your vial before the experiment. Since applications vary, the appropriate dilutions must be determined for individual use.

### Data



Human peripheral blood red blood cells are stained with PE Anti-Human CD235 Antibody (filled gray histogram). Unstained red blood cells (empty black histogram) are used as control.

### Preparation & Storage

<b>Storage</b>	Keep as concentrated solution. This product can be stored at 2-8°C for 12 months. Please protected from prolonged exposure to light and do not freeze.
<b>Shipping</b>	Ice bag

### Antigen Information

<b>Alternate Names</b>	CD235a/b;GYPA/B;Glycophorin-A/B;MN sialoglycoprotein;PAS-2/3;SS-active sialoglycoprotein;Sialoglycoprotein alpha/delta
<b>Uniprot ID</b>	P02724;P06028

### For Research Use Only

**Gene ID**

2993

**Background**

The HIR2 antibody reacts with a common epitope of glycoprotein A (CD235a) and glycoprotein B (CD235b). Glycoprotein A is the major sialoglycoprotein expressed on red blood cell membrane, and erythroid precursors. Glycoprotein A shares strong homology with glycoprotein B. The HIR2 antibody recognizes human RBCs and erythroid precursors and is useful in erythroid cell development studies. Mature, non-nucleated red blood cells are characteristically glycoprotein A positive, but CD45 and CD71 negative.