

## 30-2929PE: PE Conjugated Anti-Blood Group ABH Monoclonal Antibody (Clone: HE-10)

<b>Clonality :</b>	Monoclonal
<b>Clone Name :</b>	HE-10
<b>Application :</b>	FACS
<b>Reactivity :</b>	Human
<b>Conjugate :</b>	PE
<b>Format :</b>	Purified
<b>Isotype :</b>	Mouse IgM
<b>Immunogen Information :</b>	Mixture of erythrocytes of group A1 and glycoprotein fraction isolated from saliva of secretors with blood group A.

### Description

The mouse monoclonal antibody HE-10 agglutinates erythrocytes of group A, and is excellent as a tumour marker in patients of blood group B and O. It does not agglutinate erythrocytes of group B and O. Study with specific oligosaccharides showed that the antibody HE-10 reacts with A and H antigens with chain types 3 and 4 and it does not react with A disaccharide, A trisaccharide, A type 1, A type 2, ALeb. The antibody HE-10 does not react with normal tissue sections of donors with blood group B and O but it reacts specifically with malignant tissues.

### Product Info

<b>Amount :</b>	0.1 mg
<b>Purification :</b>	Purified antibody is conjugated with R-phycoerythrin (PE) under optimum conditions. Unconjugated antibody and free fluorochrome are removed by size-exclusion chromatography.
<b>Content :</b>	0.1 mg/ml, Tris buffered saline (TBS), pH 8.0, 15 mM sodium azide
<b>Storage condition :</b>	Store at 2-8°C protected from light. Do not freeze.

### Application Note

Flow cytometry: Recommended dilution: 1-4 µg/ml

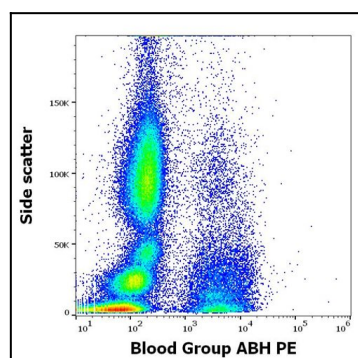


Figure 1: Flow cytometry surface staining pattern of human peripheral whole blood stained using anti-human Blood Group ABH (HE-10) PE antibody (concentration in sample 5 µg/ml).

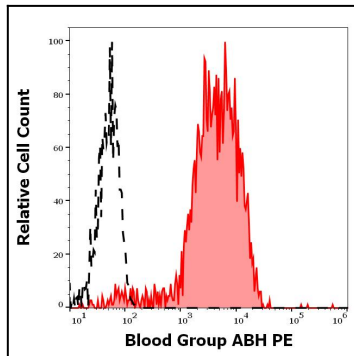


Figure 2: Separation of erythrocytes stained using anti-human Blood group ABH (HE-10) PE antibody (concentration in sample 5 µg/ml) from erythrocytes stained using mouse IgM isotype control (PFR-03) PE antibody (concentration in sample 5 µg/ml, same as anti-human Blood group ABH PE concentration, black-dashed) in flow cytometry analysis (surface staining) of human peripheral blood.