

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

Clonality :	Monoclonal
Clone Name :	HE-10
Application :	FACS
Reactivity :	Human
Conjugate :	PE
Format :	Purified
Isotype :	Mouse IgM
Immunogen Information :	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

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

Application Note

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

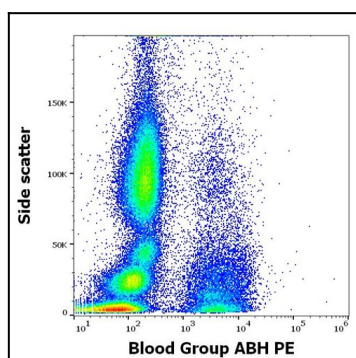


Figure 1: Flow cytometry surface staining pattern of human peripheral whole blood stained using anti-human Blood Group ABH (HE-10) PE antibody (concentration in sample 5 µg/ml).

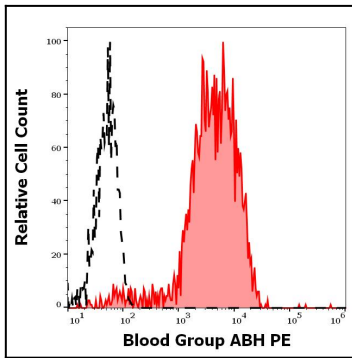


Figure 2: Separation of erythrocytes stained using anti-human Blood group ABH (HE-10) PE antibody (concentration in sample 5 µg/ml) from erythrocytes stained using mouse IgM isotype control (PFR-03) PE antibody (concentration in sample 5 µg/ml, same as anti-human Blood group ABH PE concentration, black-dashed)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