

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

Clonality :	Monoclonal
Clone Name :	HE-10
Application :	IHC,FACS
Reactivity :	Human
Conjugate :	Unconjugated
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 by sequential steps of physicochemical fractionation (differential precipitation and solid-phase chromatography methods).
Content :	1mg/ml, Tris buffered saline (TBS), pH 8.0, 15 mM sodium azide
Storage condition :	Store at 2-8°C. Do not freeze.

Application Note

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

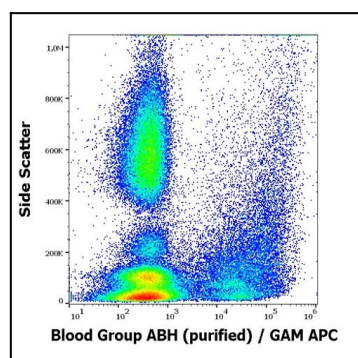


Figure 1: Flow cytometry surface staining pattern of human peripheral whole blood from group A donor stained using anti-blood group ABH (HE-10) purified antibody (concentration in sample 4 µg/ml, GAM APC).

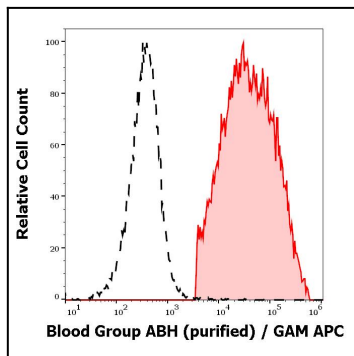


Figure 2: Separation of human erythrocytes from blood group A donor (red-filled) from erythrocytes from blood group O donor (black-dashed) in flow cytometry analysis (surface staining) of human peripheral whole blood samples using anti-Blood group ABH (HE-10) purified antibody (concentration in sample 4 µg/ml, GAM APC).