abcam

ab328599

PE Anti-Blood Group ABH antibody [HE-10]

Key facts

Isotype	IgM
Host species	Mouse
Conjugation	PE
Excitation/Emission	Ex: 480;565nm, Em: 578nm
Storage buffer	pH: 8 Preservative: 0.1% Sodium azide Constituents: 99.69% Tris buffered saline, 0.2% BSA
Form	Liquid
Clonality	Monoclonal
Immunogen	Native Cell Mixture of erythrocytes of group A1 and glycoprotein fraction isolated from saliva of secretors with blood group A. within Human Histo-blood group ABO system transferase. Database link P16442
Clone number	HE-10
Purification technique	Size-exclusion chromatography
Specificity	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 0. It does not agglutinate erythrocytes of group B and 0. 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, ALe^b. The antibody HE-10 does not react with normal tissue sections of donors with blood group B and 0 but it reacts specifically with malignant tissues.

Reactivity data

Flow Cyt

Tested

Species	Human
Dilution info	2-5 µg/mL
Notes	-

Target data

See full target information Histo-blood group ABO system transferase

Function	This protein is the basis of the ABO blood group system. The histo-blood group ABO involves three carbohydrate antigens: A, B, and H. A, B, and AB individuals express a glycosyltransferase activity that converts the H antigen to the A antigen (by addition of N-acetyl-alpha-D-galactosamine (GalNAc)) or to the B antigen (by addition of galactose (Gal)), whereas O individuals lack such activity and express the H antigen precursor unmodified. Catalyzes the transfer of GalNAc or Gal in an alpha1,3 linkage to the terminal Gal of all five types of naturally occurring H antigens, forming the antigenic structures of the A and B blood groups.

Storage

Shipped at conditions	Ambient - Can Ship with Ice
Appropriate short-term storage conditions	+4°C
Appropriate long-term storage conditions	+4°C
Storage information	Do Not Freeze

Product promise

Tested

We have tested this species and application combination and it works. It is covered by our product promise.

Expected

We have not tested this specific species and application combination in-house, but expect it will work. It is covered by our product promise.

Predicted

This species and application combination has not been tested, but we predict it will work based on strong homology. However, this combination is not covered by our product promise.

Not recommended

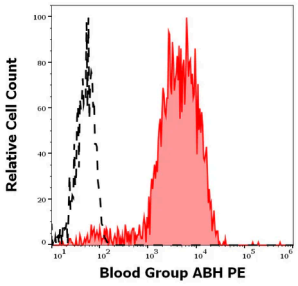
We do not recommend this combination. It is not covered by our product promise.

We are dedicated to supporting your work with high quality reagents and we are here for you every step of the way should you need us.

In the unlikely event of one of our products not working as expected, you are covered by our product promise.

Full details and terms and conditions can be found here:
Terms & Conditions.

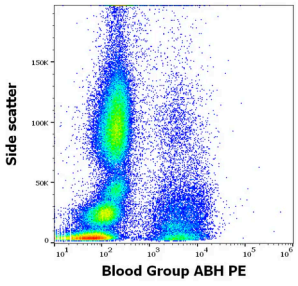
2 product images



Flow Cytometry - PE Anti-Blood Group ABH antibody [HE-10] (ab328599)

Blood Group ABH Flow Cytometry staining of human peripheral blood using mouse Anti-Blood Group ABH antibody

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.



Flow Cytometry - PE Anti-Blood Group ABH antibody [HE-10] (ab328599)

Blood Group ABH Flow Cytometry staining of human peripheral whole blood using mouse Anti-Blood Group ABH antibody

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).

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.