

9853 Pacific Heights Blvd. Suite D. San Diego, CA 92121, USA Tel: 858-263-4982

Email: info@abeomics.com

## 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 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, ALeb. 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.

## **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

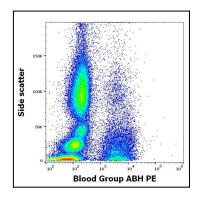


Figure 1: Flow cytometry surface staining pattern of human peripheral whole blood stained using anti-human Blood Group ABH (HE-10) PE antibody (concentration in sample 5  $\mu$ g/ml).



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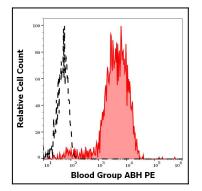


Figure 2: Separation of erythrocytes stained using anti-human Blood group ABH (HE-10) PE antibody (concentration in sample 5  $\mu$ g/ml) from erythrocytes stained using mouse IgM isotype control (PFR-03) PE antibody (concentration in sample 5  $\mu$ g/ml, same as anti-human Blood group ABH PE concentration,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