

Product datasheet

Anti-Hemoglobin subunit alpha antibody [EPR3608] (Phycoerythrin) ab211589

Recombinant RabMAb

1 Image

Overview

Product name	Anti-Hemoglobin subunit alpha antibody [EPR3608] (Phycoerythrin)
Description	Rabbit monoclonal [EPR3608] to Hemoglobin subunit alpha (Phycoerythrin)
Host species	Rabbit
Conjugation	Phycoerythrin. Ex: 488nm, Em: 575nm
Tested applications	Suitable for: Flow Cyt
Species reactivity	Reacts with: Human Predicted to work with: Mouse, Rat 
Immunogen	Synthetic peptide (the amino acid sequence is considered to be commercially sensitive) within Human Hemoglobin subunit alpha aa 50 to the C-terminus. The exact sequence is proprietary. Database link: P69905 (Peptide available as ab206105)
Positive control	Flow Cyt: K562 cells
General notes	This product is a recombinant monoclonal antibody, which offers several advantages including: <ul style="list-style-type: none"> - High batch-to-batch consistency and reproducibility - Improved sensitivity and specificity - Long-term security of supply - Animal-free production For more information see here . Our RabMAb [®] technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb[®] patents .

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at 4°C (stable for up to 12 months). Upon delivery aliquot. Store at +4°C. Do Not Freeze. Store In the Dark.
Storage buffer	pH: 7.4 Preservative: 0.02% Sodium azide

	Constituents: PBS, 1% BSA
Purity	Immunogen affinity purified
Clonality	Monoclonal
Clone number	EPR3608
Isotype	IgG

Applications

Our [Abpromise guarantee](#) covers the use of **ab211589** in the following tested applications.

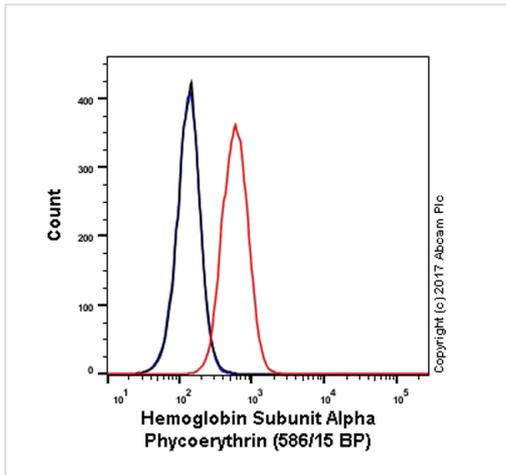
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
Flow Cyt		1/500. The cellular localisation of this product has been verified in ICC/IF.

Target

Function	Involved in oxygen transport from the lung to the various peripheral tissues.
Tissue specificity	Red blood cells.
Involvement in disease	Heinz body anemias Alpha-thalassemia Alpha(0)-thalassemia is associated with non-immune hydrops fetalis, a generalized edema of the fetus with fluid accumulation in the body cavities due to non-immune causes. Non-immune hydrops fetalis is not a diagnosis in itself but a symptom, a feature of many genetic disorders, and the end-stage of a wide variety of disorders. Hemoglobin H disease
Sequence similarities	Belongs to the globin family.
Post-translational modifications	The initiator Met is not cleaved in variant Thionville and is acetylated.

Images



Flow Cytometry - Anti-Hemoglobin subunit alpha antibody [EPR3608] (Phycoerythrin) (ab211589)

Overlay histogram showing K562 cells stained with ab211589 (red line). The cells were fixed with 80% methanol (5 min) and then permeabilized with 0.1% PBS-Triton X-100 for 15 min. The cells were then incubated in 1x PBS / 10% normal goat serum to block non-specific protein-protein interactions followed by the antibody (ab211589, 1/500 dilution) for 30 min at 22°C.

Isotype control antibody (black line) was rabbit IgG (monoclonal) Phycoerythrin (ab209478) used at the same concentration and conditions as the primary antibody. Unlabelled sample (blue line) was also used as a control.

Acquisition of >5,000 events were collected using a 50 mW Yellow/Green laser (561nm) and 586/15 BP bandpass filter.

This antibody gave a positive signal in K562 cells fixed with 4% formaldehyde (10 min)/permeabilized with 0.1% PBS-Triton X-100 for 15 min used under the same conditions.

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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