

For Research Use Only

# FITC-conjugated HBE1-Specific Monoclonal antibody



Catalog Number: FITC-66151

## Basic Information

Catalog Number:

FITC-66151

Size:

500  $\mu$ g/ml

Source:

Mouse

Isotype:

IgG1

GenBank Accession Number:

NM\_005330

GeneID (NCBI):

3046

UNIPROT ID:

P02100

Full Name:

hemoglobin, epsilon 1

Observed MW:

16 kDa

Purification Method:

Protein G purification

CloneNo.:

2C11G6

Excitation/Emission maxima wavelengths:

494 nm / 520 nm

## Applications

Tested Applications:

FC (Intra)

Species Specificity:

human

## Background Information

The hemoglobin molecule is a tetramer consisting of two  $\alpha$ -globin-like polypeptide chains and two  $\beta$ -globin-like chains. The human hemoglobin genes are expressed in a tightly developmentally controlled fashion.  $\epsilon$ -globin (HBE1) is the predominantly expressed gene during the embryonic stage. The epsilon hemoglobin chain seems to be the best marker for fetal nucleated red blood cells (NRBCs). Anti-HBE1 may be used to label and isolate fetal cells from maternal blood and can be useful in prenatal diagnosis. This antibody specifically recognizes the HBE1 and doesn't cross-react with other globin chains. This antibody is conjugated with FITC.

## Storage

Storage:

Store at  $-20^{\circ}\text{C}$ . Avoid exposure to light. Stable for one year after shipment.

Storage Buffer:

PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.

Aliquoting is unnecessary for  $-20^{\circ}\text{C}$  storage

For technical support and original validation data for this product please contact:

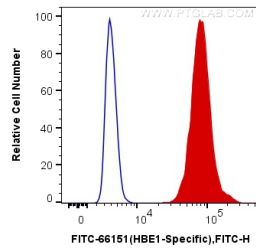
T: 4006900926

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W: [ptgcn.com](http://ptgcn.com)

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

## Selected Validation Data



1X10<sup>6</sup> K-562 cells were intracellularly stained with 0.4 ug FITC Anti-Human HBE1-Specific (FITC-66151, Clone:2C11G6) (red), or 0.4 ug Control Antibody. Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).