For Research Use Only

FITC-conjugated HBE1-Specific Monoclonal antibody

Catalog Number:FITC-66151

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Basic Information

Catalog Number:
FITC-66151

Size:
500 μg/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:
498 nm / 526 nm

Applications

Tested Applications:
FC (Intra)

Species Specificity:
human

Background Information

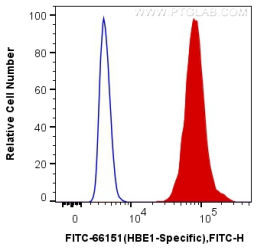
The hemoglobin molecule is a tetramer consisting of two α-globin-like polypeptide chains and two β-globin-like chains. The human hemoglobin genes are expressed in a tightly developmentally controlled fashion. ε-globin (HBE1) is the predominantly expressed gene during the embryonic stage. The epsilon 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°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°C storage

For technical support and original validation data for this product please contact:
T: 4006900926 E: Proteintech-CN@ptglab.com W: ptgcn.com

Selected Validation Data



1X10^6 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).