

# CoraLite® Plus 647-conjugated HBE1-Specific Monoclonal antibody

Catalog Number: **CL647-66151**

## Basic Information

**Catalog Number:**

CL647-66151

**Size:**

1000 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:**

654 nm / 674 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.

## Storage

**Storage:**

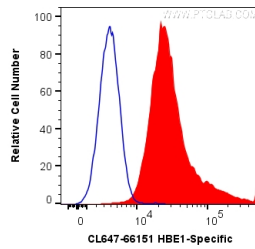
Store at -20°C. Avoid exposure to light. Stable for one year after shipment.

**Storage Buffer:**

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

Aliquoting is unnecessary for -20°C storage

## Selected Validation Data



1X10<sup>6</sup> K-562 cells were intracellularly stained with 0.2 ug CoraLite® Plus 647 Anti-Human HBE1-Specific (CL647-66151, Clone:2C11G6) (red), or 0.2 ug isotype control (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).