For Research Use Only

CoraLite®555-conjugated Hemoglobin Epsilon Polyclonal antibody

Catalog Number:CL555-12361

proteintech®
Antibodies | ELISA kits | Proteins
www.ptglab.com

Basic Information

Catalog Number:
CL555-12361

Size:
100ul , Concentration: 500 ug/ml by Nanodrop;

Source:
Rabbit

Isotype:
IgG

Immunogen Catalog Number:
AG3026

GenBank Accession Number:
BC015537

GeneID (NCBI):
3046

UNIPROT ID:
P02100

Full Name:
hemoglobin, epsilon 1

Calculated MW:
147 aa, 16 kDa

Observed MW:
12-16 kDa

Purification Method:
Antigen affinity purification

Recommended Dilutions:
IF-P 1:50-1:500

Excitation/Emission maxima wavelengths:
557 nm / 570 nm

Applications

Tested Applications:
IF-P, FC (Intra)

Species Specificity:
human, mouse, rat

Positive Controls:

IF-P : human placenta tissue,

Background Information

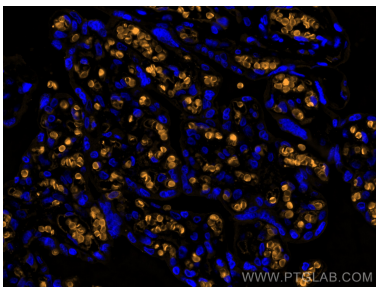
The hemoglobin molecule is a tetramer consisting of two alpha- and two beta-globin-like chains. HBE1 (hemoglobin epsilon chain) is a beta-type chain of hemoglobin predominantly expressed during the embryonic stage (21321359). The HBE1 has been regarded as the best marker for fetal nucleated red blood cells (NRBCs) . This antibody can be used to label and isolate fetal cells from maternal blood and may be useful in prenatal diagnosis (15906407).

Storage

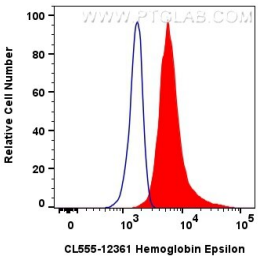
Storage:
Store at -20°C. Avoid exposure to light. Stable for one year after shipment.
Storage Buffer:
PBS with 50% glycerol, 0.05% Proclin300, 0.5% BSA, pH7.3
Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed paraffin-embedded human placenta tissue using CoraLite®555 Hemoglobin Epsilon antibody (CL555-12361) at dilution of 1:200. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



1x10^6 K-562 cells were intracellularly stained with 0.8 ug CoraLite®555-conjugated Hemoglobin Epsilon Polyclonal antibody (CL555-12361)(red), or 0.8 ug CoraLite®555-conjugated Rabbit IgG control Rabbit PolyAb (CL555-30000) (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).