

For Research Use Only

CoraLite® Plus 750-conjugated HBB Polyclonal antibody



Catalog Number: CL750-16216

Basic Information

Catalog Number:

CL750-16216

Size:

1000 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG9216

GenBank Accession Number:

BC007075

GeneID (NCBI):

3043

UNIPROT ID:

P68871

Full Name:

hemoglobin, beta

Calculated MW:

147 aa, 16 kDa

Observed MW:

13-16 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

IF-P 1:50-1:500

Excitation/Emission maxima wavelengths:

755 nm / 780 nm

Applications

Tested Applications:

IF-P, FC (Intra)

Species Specificity:

human, mouse

Positive Controls:

IF-P: human appendicitis tissue,

Background Information

The hemoglobin molecule is a tetramer consisting of two alpha- and two beta-globin-like chains. HBB gene encodes hemoglobin beta chain. The hemoglobin chains, each with its own heme moiety, cooperate in binding and release of oxygen. Hemoglobin monomers have been found in blood and other tissues including macrophages, alveolar epithelial cells and brain. Defects in HBB have been linked to diseases including Sickle cell anemia, Beta-thalassemia, and Heinz body anemias. This antibody, raised against the full-length human HBB, recognizes the 13-16 kDa HBB in western blot analyses of human heart and placenta.

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:

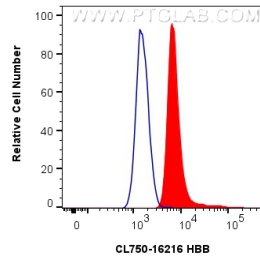
T: 4006900926

E: Proteintech-CN@ptglab.com

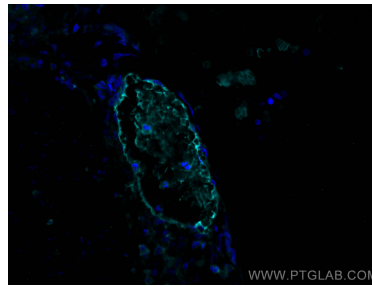
W: ptgcn.com

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Selected Validation Data



1X10⁶ K-562 cells were intracellularly stained with 0.8 μ g CoraLite® Plus 750 Anti-Human HBB (CL750-16216) (red), or 0.8 μ g Isotype Control. Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).



Immunofluorescent analysis of (4% PFA) fixed human appendicitis tissue using CoraLite® Plus 750 HBB antibody (CL750-16216) at dilution of 1:200.