

For Research Use Only

CoraLite® Plus 750-conjugated HBB Polyclonal antibody



Catalog Number: CL750-16216

Basic Information

Catalog Number: CL750-16216	GenBank Accession Number: BC007075	Purification Method: Antigen affinity purification
Size: 100ul , Concentration: 1000 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 3043	Excitation/Emission maxima wavelengths: 755 nm / 780 nm
Source: Rabbit	UNIPROT ID: P68871	
Isotype: IgG	Full Name: hemoglobin, beta	
Immunogen Catalog Number: AG9216	Calculated MW: 147 aa, 16 kDa	
	Observed MW: 13-16 kDa	

Applications

Tested Applications:
FC (Intra)

Species Specificity:
human, mouse

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.

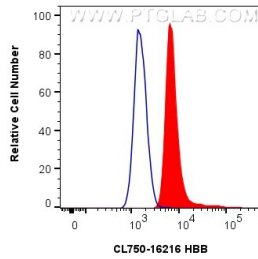
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

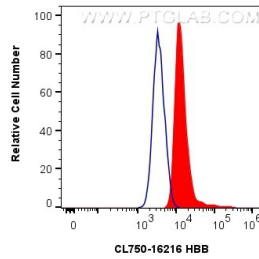
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA) E: proteintech@ptglab.com
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



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



1X10⁶ TF-1 cells were intracellularly stained with 0.8 ug CoraLite® Plus 750 Anti-Human HBB (CL750-16216) (red), or 0.8 ug Rabbit IgG control Rabbit PolyAb (30000-O-AP, Clone:) (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).