

For Research Use Only

# CoraLite® Plus 750-conjugated HBB Polyclonal antibody

Catalog Number: CL750-16216



## Basic Information

<b>Catalog Number:</b> CL750-16216	<b>GenBank Accession Number:</b> BC007075	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 100ul , Concentration: 1000 ug/ml by Nanodrop;	<b>GeneID (NCBI):</b> 3043	<b>Recommended Dilutions:</b> IF-P 1:50-1:500
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> P68871	<b>Excitation/Emission maxima wavelengths:</b> 755 nm / 780 nm
<b>Isotype:</b> IgG	<b>Full Name:</b> hemoglobin, beta	
<b>Immunogen Catalog Number:</b> AG9216	<b>Calculated MW:</b> 147 aa, 16 kDa	
	<b>Observed MW:</b> 13-16 kDa	

## Applications

<b>Tested Applications:</b> IF-P, FC (Intra)	<b>Positive Controls:</b> IF-P : human appendicitis tissue,
<b>Species Specificity:</b> 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.

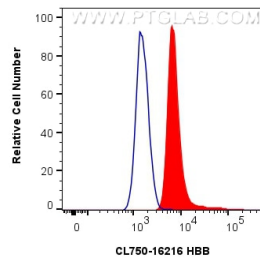
## Storage

**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**

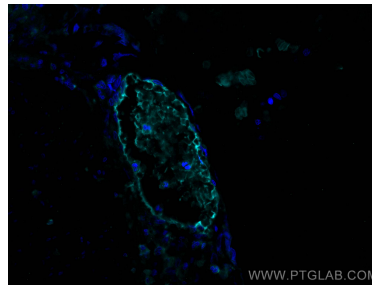
For technical support and original validation data for this product please contact:  
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## Selected Validation Data



1X10<sup>6</sup> 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).



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