

For Research Use Only

# HBB Monoclonal antibody

Catalog Number: 67899-1-Ig



## Basic Information

<b>Catalog Number:</b> 67899-1-Ig	<b>GenBank Accession Number:</b> BC007075	<b>Purification Method:</b> Protein G purification
<b>Size:</b> 150ul , Concentration: 500 ug/ml by Nanodrop and 299 ug/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 3043	<b>CloneNo.:</b> 1A11E3
<b>Source:</b> Mouse	<b>UNIPROT ID:</b> P68871	<b>Recommended Dilutions:</b> WB 1:5000-1:50000
<b>Isotype:</b> IgG1	<b>Full Name:</b> hemoglobin, beta	
<b>Immunogen Catalog Number:</b> AG9216	<b>Calculated MW:</b> 147 aa, 16 kDa	
	<b>Observed MW:</b> 14-16 Da	

## Applications

<b>Tested Applications:</b> WB, ELISA	<b>Positive Controls:</b> WB : human testis tissue, human placenta, human peripheral blood platelets, human plasma, rabbit brain, rabbit liver
<b>Species Specificity:</b> Human, rabbit	

## 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.

## Storage

**Storage:**  
Store at -20°C.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

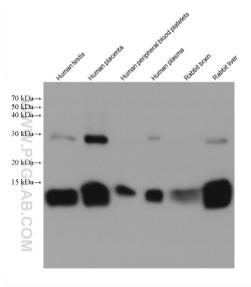
For technical support and original validation data for this product please contact:

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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 67899-1-Ig (HBB antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.