

For Research Use Only

HBB Monoclonal antibody

Catalog Number: 67899-1-Ig



Basic Information

Catalog Number:

67899-1-Ig

Concentration:

500 ug/ml

Source:

Mouse

Isotype:

IgG1

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:

14-16 Da

Purification Method:

Protein G purification

CloneNo.:

1A11E3

Recommended Dilutions:

WB: 1:5000-1:50000

Applications

Tested Applications:

WB, ELISA

Species Specificity:

human, rabbit

Positive Controls:

WB : human testis tissue, human placenta, human peripheral blood platelets, human plasma, rabbit brain, rabbit liver

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. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

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

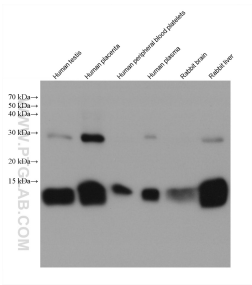
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



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.