Product datasheet for AM20241PU-N

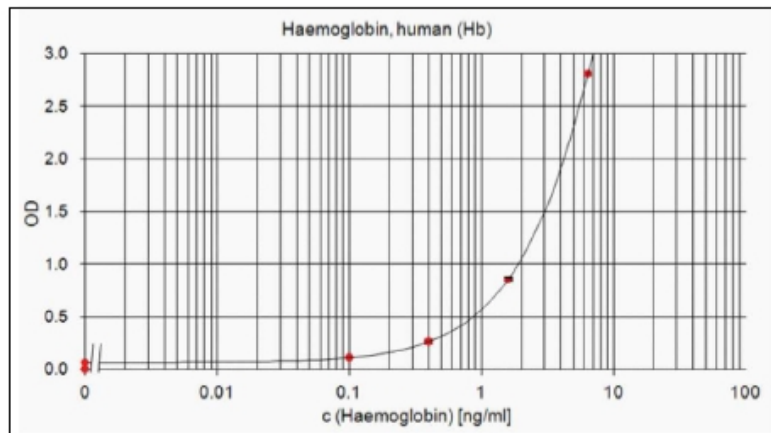## Hemoglobin Mouse Monoclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	ELISA, R
Recommended Dilution:	**RIA.** **ELISA.**
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Human Hemoglobin
Specificity:	Recognizes Human Hemoglobin. No cross reactivity with Bovine, Sheep, Horse or Pig Hemoglobin, Human Albumin, Haptoglobin, Myoglobin or Transferrin.
Formulation:	State: Purified State: Liquid purifed Ig fraction with 0.9% NaCl and 0.09% Sodium Azide
Purification:	Affinity Chromatography
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C.
Stability:	Shelf life: One year from despatch.
Background:	Hemoglobin is a 66kDa metalloprotein composed of four globular subunits each of which is associated with an iron-containing heme group. The heme group is involved with oxygen transport from the lungs to the tissues and the globin molecule plays a major role in transporting carbon dioxide in the reverse direction. Hemoglobin is found in the erythrocytes of all vertebrates. There is a wide diversity of amino acid sequences and substitutions within mammalian hemoglobins, however the molecular weight is generally around 66kDa with an iron content of about 0.34%. The level of hemoglobin in the blood is used in the diagnosis of anemia; levels in the feces are indicative of various clinical conditions.
Synonyms:	Haemoglobin

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Product images:

ELISA Standard curve showing measurement of Human Hemoglobin in a Sandwich immunoassay using AM20241PU as Capture antibody and AM20242PU as Detection antibody. OD was determined at 450 nm. The shown standard curve is for demonstration purposes only and can