

Product datasheet for **AM31487PU-N**

Hemoglobin (A0, A2, S, Methemoglobin) Mouse Monoclonal Antibody [Clone ID: B525M]

Product data:

Product Type:	Primary Antibodies
Clone Name:	B525M
Applications:	ELISA, LF
Recommended Dilution:	ELISA. Lateral Flow Assay.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Human Hemoglobin
Specificity:	Recognizes A0, A2, S and Methemoglobin. Does not cross react with Bovine, Ovine, Pig, Pigeon, Turkey, Rabbit, or Horse Hemoglobin.
Formulation:	PBS containing 0.09% Sodium Azide as preservative State: Purified State: Liquid purified IgG fraction
Concentration:	lot specific
Purification:	Ion Exchange Chromatography
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.



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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