

**AM31487PU-N****Monoclonal Antibody to Hemoglobin (A0, A2, S, Methemoglobin)  
- Purified**

<b>Alternate names:</b>	Haemoglobin
<b>Quantity:</b>	1 mg
<b>Concentration:</b>	13.2 mg/ml (OD280nm)
<b>Background:</b>	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.
<b>Host / Isotype:</b>	Mouse / IgG1
<b>Recommended Isotype Controls:</b>	SM10P (for use in human samples), AM03095PU-N
<b>Clone:</b>	B525M
<b>Immunogen:</b>	Human Hemoglobin
<b>Format:</b>	<b>State:</b> Liquid purified IgG fraction <b>Purification:</b> Ion Exchange Chromatography <b>Buffer System:</b> PBS containing 0.09% Sodium Azide as preservative
<b>Applications:</b>	<b>ELISA.</b> <b>Lateral Flow Assay.</b> Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
<b>Specificity:</b>	Recognizes A0, A2, S and Methemoglobin. Does not cross react with Bovine, Ovine, Pig, Pigeon, Turkey, Rabbit, or Horse Hemoglobin. <b>Species:</b> Human. Other species not tested.
<b>Storage:</b>	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.