



Anti-Hemoglobin monoclonal antibody, clone C1233M (DMAB1554MH)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview	Monoclonal Antibody to Human Hemoglobin
Specificity	Human Hemoglobulin. Does not cross react with bovine, sheep, horse or pig hemoglobin.
Immunogen	Purified human hemoglobin
Isotype	IgG1
Source/Host	Mouse
Species Reactivity	Human
Clone	C1233M
Purification	Protein A chromatography
Conjugate	Unconjugated
Applications	Suggested pair for testing (Capture - Detection): DMAB1553MH - DMAB1554MH
Concentration	Lot specific (prior to lyophilization)
Size	1 mg
Buffer	Lyophilized from 0.9% Sodium chloride
Preservative	0.09% Sodium Azide
Storage	Store lyophilized product at 2–8°C. After reconstitution, aliquot and store at -20°C. Avoid multiple freeze/thaw cycles.

BACKGROUND

Introduction	<p>Hemoglobin also rendered as haemoglobin and abbreviated Hb or Hgb) is the iron-containing oxygen-transport metalloprotein in the red blood cells of all vertebrates, with the exception of the fish family Channichthyidae, as well as the tissues of some invertebrates. Hemoglobin in the blood carries oxygen from the respiratory organs (lungs or gills) to the rest of the body (i.e. the tissues) where it releases the oxygen to burn nutrients to provide energy to power the functions of the organism, and collects the resultant carbon dioxide to bring it back to the respiratory organs to be dispensed from the organism.</p>
Keywords	<p>Hemoglobin subunit beta; Beta-globin; Hemoglobin beta chain; CD113t-C; beta-globin; HBB; hemoglobin subunit beta; beta globin chain; OTTHUMP00000069644; hemoglobin beta chain; hemoglobin, beta; HBD</p>