



Magic™ Anti-Hemoglobin monoclonal antibody, clone N2303000 (DCABY-4467)

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

PRODUCT INFORMATION

Antigen Description	Hemoglobin (also spelled haemoglobin and abbreviated Hb or Hgb) is the iron-containing oxygen-transport metalloprotein in the red blood cells of all vertebrates (except the fish family Channichthyidae) and the tissues of some invertebrates. Hemoglobin in the blood is what transports oxygen from the lungs or gills to the rest of the body where it releases the oxygen for cell use, and collects carbon dioxide to bring it back to the lungs.
Specificity	Metahemoglobin
Immunogen	Hemoglobin antibody was raised in mouse using human hemoglobin as the immunogen.
Isotype	IgG1
Source/Host	Mouse
Species Reactivity	Human
Clone	N2303000
Purification	Hemoglobin antibody was purified by Ion exchange chromatography.
Conjugate	Unconjugated
Applications	ELISA Pr*, Lateral Flow Pr* Suggested pair for Lateral Flow immunoassay (Capture - Detection): DCABY-4467 - DCABY-4468
Format	Liquid
Size	1 mg
Buffer	Supplied in PBS with 0.09% sodium azide as preservative

Preservative	0.09% Sodium Azide
Storage	Store at 4 °C for short term storage. For long term storage, aliquot and freeze at -20 °C Avoid repeated freeze/thaw cycles.

GENE INFORMATION

Gene Name	HBB hemoglobin, beta [Homo sapiens]
Official Symbol	HBB
Synonyms	HBB; hemoglobin, beta; CD113t-C; beta-globin; hemoglobin subunit beta; beta globin chain; hemoglobin beta chain;
Entrez Gene ID	3043
Protein Refseq	NP_000509
UniProt ID	D9YZU5
Chromosome Location	11p15.5
Pathway	African trypanosomiasis; Binding and Uptake of Ligands by Scavenger Receptors; Erythrocytes take up carbon dioxide and release oxygen; Erythrocytes take up oxygen and release carbon dioxide; Factors involved in megakaryocyte development and platelet produ
Function	contributes_to haptoglobin binding; heme binding; hemoglobin binding; iron ion binding; oxygen binding; oxygen transporter activity; contributes_to peroxidase activity; protein binding;