

Human HbA1c monoclonal antibody, clone 4B10

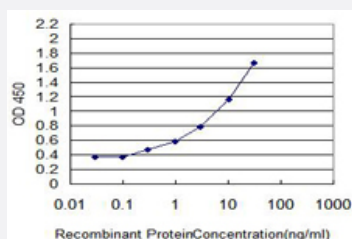
Catalog # MAB0030-M04

Size 100 ug

Applications

Sandwich ELISA

Detection limit for HbA1c is approximately 1ng/ml as a capture antibody.



Specification

Product Description	Mouse monoclonal antibody raised against glycosylated hemoglobin.
Immunogen	A peptide (conjugated with KLH) corresponding to N-terminus glycosylated HbA1c.
Host	Mouse
Reactivity	Human
Form	Liquid
Conjugation	KLH
Isotype	IgG2a, kappa
Recommend Usage	The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Sandwich ELISA

Detection limit for HbA1c is approximately 1ng/ml as a capture antibody.

Gene Info — HBA1

Entrez GeneID [3039](#)

GeneBank Accession# [NM_000558](#)

Protein Accession# [NP_000549](#)

Gene Name HBA1

Gene Alias HBH, HBA-T3

Gene Description hemoglobin, alpha 1

Omim ID [141800](#)

Gene Ontology [Hyperlink](#)

Gene Summary

The human alpha globin gene cluster located on chromosome 16 spans about 30 kb and includes seven loci: 5'- zeta - pseudozeta - mu - pseudoalpha-1 - alpha-2 - alpha-1 - theta - 3'. The alpha-2 (HBA2) and alpha-1 (HBA1) coding sequences are identical. These genes differ slightly over the 5' untranslated regions and the introns, but they differ significantly over the 3' untranslated regions. Two alpha chains plus two beta chains constitute HbA, which in normal adult life comprises about 97% of the total hemoglobin; alpha chains combine with delta chains to constitute HbA-2, which with HbF (fetal hemoglobin) makes up the remaining 3% of adult hemoglobin. Alpha thalassemias result from deletions of each of the alpha genes as well as deletions of both HBA2 and HBA1; some nondeletion alpha thalassemias have also been reported. [provided by RefSeq]

Other Designations

alpha 1 globin|alpha one globin|alpha-1 globin|alpha-1-globin|hemoglobin alpha 1 globin chain|hemoglobin alpha-1 chain

Disease

- [Abortion](#)
- [Albuminuria](#)
- [alpha-Thalassemia](#)

- [Anemia](#)
- [beta-Thalassemia](#)
- [Dyslipidemias](#)
- [Fetal Diseases](#)
- [Genetic Predisposition to Disease](#)
- [Glucosephosphate Dehydrogenase Deficiency](#)
- [Hemolysis](#)
- [Hypertension](#)
- [Iron Overload](#)
- [Malaria](#)
- [Parasitemia](#)
- [Parvoviridae Infections](#)
- [Pregnancy Complications](#)
- [Sickle Cell Trait](#)
- [Splenomegaly](#)
- [Stroke](#)
- [Thalassemia](#)