Human HbA1c monoclonal antibody, clone 1D3

Catalog # MAB0030-M06A Size 200 uL

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
Isotype	IgG2a Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein.
Storage Buffer	In ascites fluid
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- ELISA

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 w ith HbF (fetal hemoglobin) makes up the remaining 3% of adult hemoglobin. Alpha thalassemias r esult from deletions of each of the alpha genes as well as deletions of both HBA2 and HBA1; som e 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|he moglobin 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