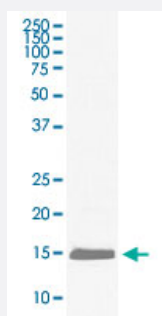


# Hemoglobin Alpha Chain monoclonal antibody, clone EGI-8

Catalog # MAB20135      Size 100 uL

## Applications



### Western Blot (Cell lysate)

Western Blot analysis of K562 cell lysate with Hemoglobin Alpha Chain monoclonal antibody, clone EGI-8 (Cat # MAB20135).

## Specification

**Product Description** Rabbit monoclonal antibody raised against synthetic peptide of human Hemoglobin Alpha Chain.

**Immunogen** A synthetic peptide corresponding to human Hemoglobin Alpha Chain .

**Host** Rabbit

**Theoretical MW (kDa)** 15.258

**Reactivity** Human

**Form** Liquid

**Purification** Affinity purification

**Isotype** IgG

**Recommend Usage**  
 Flow Cytometry (1:50)  
 Immunohistochemistry (1:50-1:200)  
 Immunoprecipitation (1:50)  
 Western Blot (1:500-1:2000)  
 The optimal working dilution should be determined by the end user.

**Storage Buffer** In PBS, 150 mM NaCl, pH 7.4 (50% glycerol, 0.02% sodium azide).

**Storage Instruction**

Store at -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for a longer time. Avoid repeated freezing and thawing.

**Note**

This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

## Applications

- Western Blot (Cell lysate)

Western Blot analysis of K562 cell lysate with Hemoglobin Alpha Chain monoclonal antibody, clone EGI-8 (Cat # MAB20135).

- Immunohistochemistry

- Immunoprecipitation

- Flow Cytometry

## Gene Info — HBA1

**Entrez GeneID**

[3039](#)

**Protein Accession#**

[P69905](#)

**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

## Gene Info — HBA2

Entrez GeneID [3040](#)

Protein Accession# [P69905](#)

Gene Name HBA2

Gene Alias -

Gene Description hemoglobin, alpha 2

Omim ID [141850](#)

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<sub>2</sub>, 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 2 globin|alpha globin|alpha-2 globin

## Disease

- [Abortion](#)
- [Albuminuria](#)
- [alpha-Thalassemia](#)
- [alpha-Thalassemia](#)
- [Anemia](#)
- [beta-Thalassemia](#)
- [beta-Thalassemia](#)
- [Dyslipidemias](#)
- [Fetal Diseases](#)

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