Datasheet for ABIN5706735

anti-HBd antibody (N-Term)

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Overview

Quantity:	100 µg
Target:	HBd
Binding Specificity:	N-Term
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Application:	ELISA, Western Blotting (WB)

Product Details

Purpose:	Hemoglobin beta A-2 Antibody
Immunogen:	Immunogen: Anti-Hemoglobin beta A-2 Monoclonal Antibody was produced in mice by repeated immunizations with synthetic peptide corresponding to amino acid residues near the N-terminus of Hb delta-subunit conjugated to KLH. Immunogen Type: Conjugated Peptide
Clone:	21G1-F1-B9-G9-D11
Isotype:	IgG1 kappa
Cross-Reactivity (Details):	This protein A purified mouse monoclonal antibody reacts specifically with human HbA-2 delta isoform.
Characteristics:	Synonyms: mouse anti-HbA-2 antibody, mouse anti-hemoglobin antibody, Hemoglobin Subunit Delta, Hemoglobin Delta Chain 4, Delta-Globin 4, HbD, HbA-2 Antibody, Sickle Cell Disease (SCD)
Purification:	Anti-HbA-2 is purified from tissue culture supernatant by protein A purification.

Product Details

Sterility:	Sterile filtered

Target Details

Target:	HBd
Alternative Name:	HBD (HBd Products)
Background:	Background: HbA-2 or hemoglobin delta subunit antibodies detect the delta-specific sequence in the hemoglobin delta-subunit found in HbA-2. Functional hemoglobin (Hb) is a hetero tetramer and the dominant form of Adult Hb is composed of 2 alpha and 2 beta subunits (α2β2). Hemoglobin A-2 (HbA-2) is a normal but minor variant of hemoglobin A that consists of two alpha and two delta chains (α2δ2). Hemoglobin A-2 may be increased in beta thalassemia or in people who are heterozygous for the beta thalassemia gene, and HbA2 is also linked to neurological disorders. HbA-2 form exists in small amounts in all adult humans (1.5-3.1 % of all hemoglobin molecules) and is increased in people with Sickle-cell disease. Its normal biological role is not well understood. HbA-2 antibody does not react other forms of Hb including no cross-reaction to HbA or beta subunit. This antibody is ideal for investigators involved in Cardiovascular and developmental biology research.
Gene ID:	3045
NCBI Accession:	NP_000510
UniProt:	P02042

Application Details

Application Notes:	Application Note: Anti-Hemoglobin beta A-2 (MOUSE) antibody has been tested by ELISA and Western Blotting. This antibody is designed for use in lateral flow. Specific conditions of reactivity should be optimized by the end user. Expect a band of approximately 16 kDa. Western Blot Dilution: 1 µg/mL ELISA Dilution: 1:20,000
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1.00 mg/mL
Buffer:	Buffer: 0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2

Handling

	Stabilizer: None Preservative: 0.01 % (w/v) Sodium Azide
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Store vial at -20° C prior to opening. This product is stable at 4° C as an undiluted liquid. For extended storage, aliquot contents and freeze at -20° C or below. Avoid cycles of freezing and thawing. Dilute only prior to immediate use.
Expiry Date:	12 months