Datasheet for ABIN7565770

anti-HBd antibody (N-Term)

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Overview

Quantity:	25 µL
Target:	HBd
Binding Specificity:	N-Term
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This HBd antibody is un-conjugated
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)

Product Details

Purification:	Anti-HbA-2 is purified from tissue culture supernatant by protein A purification.
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

Handling

Buffer:	Buffer: 0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2 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:	-20 °C
Storage Comment:	Store vial at -20° C or below prior to opening. This vial contains a relatively low volume of reagent (25 µL). To minimize loss of volume dilute 1:10 by adding 225 µL of the buffer stated above directly to the vial. Recap, mix thoroughly and briefly centrifuge to collect the volume at the bottom of the vial. Use this intermediate dilution when calculating final dilutions as recommended below. Store the vial at -20°C or below after dilution. Avoid cycles of freezing and thawing.
Expiry Date:	12 months

