
Product Datasheet

Hemoglobin beta S antibody (orb420237)

Description

Hemoglobin beta S antibody

Species/Host

Mouse

Reactivity

Human

Conjugation

Unconjugated

Tested

ELISA, WB

Applications
Immunogen

Anti-Hemoglobin beta S Monoclonal Antibody was produced in mice by repeated immunizations with synthetic peptide corresponding to amino acid residues near the N-terminus of Hb β -subunit conjugated to KLH.

Preservatives

0.01% (w/v) Sodium Azide

Form/Appearance

Liquid (sterile filtered)

Concentration
 $p > 1.0 \text{ mg/ml}$
Storage

Store vial at -20°C or below prior to opening. This vial contains a relatively low volume of reagent ($25 \mu\text{L}$). To minimize loss of volume dilute 1:10 by adding $225 \mu\text{L}$ 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.

Note

For research use only

Application notes

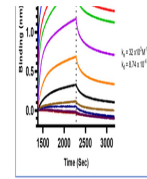
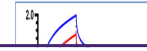
Anti-Hemoglobin beta S (MOUSE) antibody has been tested by SDS-Page and western blot. This antibody is designed for use in lateral flow. Specific conditions of reactivity should be optimized by the end user. Expect a band of approximately 16 kDa in appropriate lysates.

Clonality

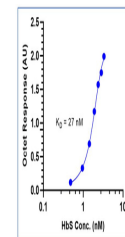
Monoclonal

Purity

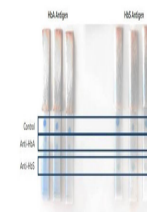
This protein A purified mouse monoclonal antibody reacts specifically with human HbS beta sickle isoform. Anti-HbS is purified from tissue culture supernatant by protein A purification. Blast analysis shows 100% homology to Human, Pan troglodytes, Pan paniscus, Gorilla gorilla gorilla, and Hylobates lar. This antibody does not react with the HbA, HbF, HbC, or HbA-2 isoform.

Uniprot ID
P68871


Binding mode and kinetic analysis of Mou...



Fitting of Kinetic data to bivalent bind...



Lateral Flow Results of Anti-HbA (Hemogl...