

DESIGNATION OF CELL LINE AND PRODUCT : *LO-HbS*

IMMUNOGEN :

SUBSTANCE NAME : Purified HbSS from patient with sickle cell trait

GENUS SPECIES : Homo sapiens

IMMUNOCYTE DONOR :

GENUS SPECIES : Rattus norvegicus - rat

STRAIN : LOU/C

IMMORTAL CELL PARTNER :

DESIGNATION : non secreting LOU/C rat IR983F fusion line (1)

HYBRIDOMA CELLS AND MONOCLONAL ANTIBODY

CLASS OF ANTIBODY PRODUCED : Rat Kappa IgG1, allotype IgK-1a

NAME FOR CELL LINE : LO-HbS HYBRIDOMA

NAME FOR PRODUCT : LO-HbS MONO Ab

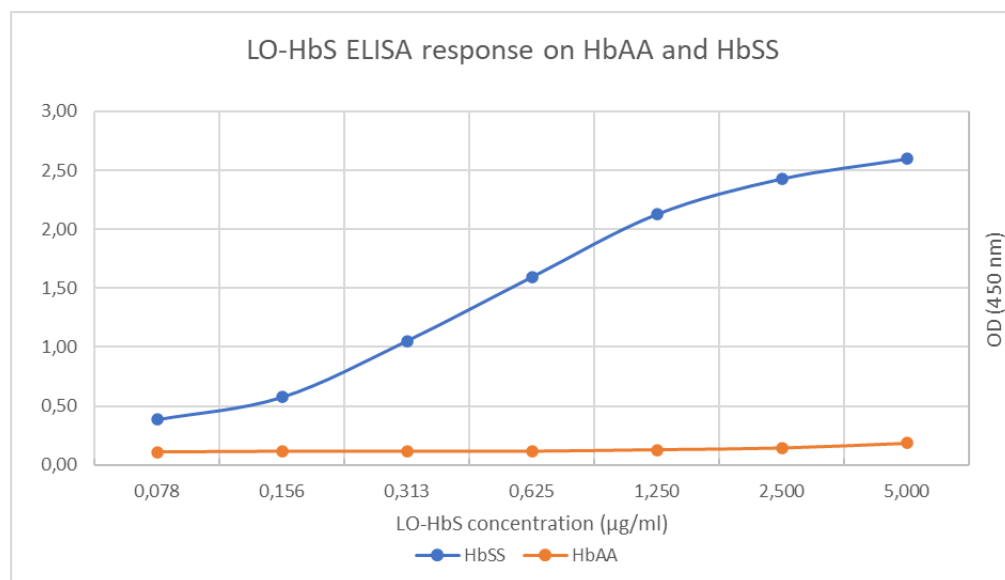
REACTIVITY :

Specific mutation of HbS (determined by ELISA), positively tested on HbSS and negatively tested on HbAA. It binds to the specific mutation of HbS on the β subunit (V6).

CROSS-REACTIVITY :

Does not bind to human HbAA

SPECIFICITY ON ELISA :



APPLICATIONS : Cf REACTIVITY

- CAN BE LABELLED WITH GOLD NANOPARTICLES
- CAN BE LABELLED WITH PEROXYDASE, FITC and BIOTIN
- CAPTURE ELISA: GOOD BINDING ON PLASTICS
- CAN BE USED AS SECOND ANTIBODY IN IMMUNOASSAYS
- CAN BE COATED ON NITROCELLULOSE (LATERAL FLOW)



FORMAT AVAILABLE

- Azide free
- Endotoxin free
- Custom labelling available on request (HRPO, Biotin, FITC, Alexa,...)

REFERENCES :

(1) Bazin H. Prot. Biol. Fluids, 1982, Peeters E. ed., 29th colloquium 1981 Pergamon Press Oxford and N.Y. : 615-618

For more information, please contact us on <https://www.synabs.be/>.

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