

**DESIGNATION OF CELL LINE AND PRODUCT : LO-HbA (HbS&HbC)**

**IMMUNOGEN :**

**SUBSTANCE NAME :** Purified HbAA from human

**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

**NAME FOR CELL LINE :** LO-HbA (HbS&HbC) HYBRIDOMA

**NAME FOR PRODUCT :** LO-HbA (HbS&HbC) MONO Ab

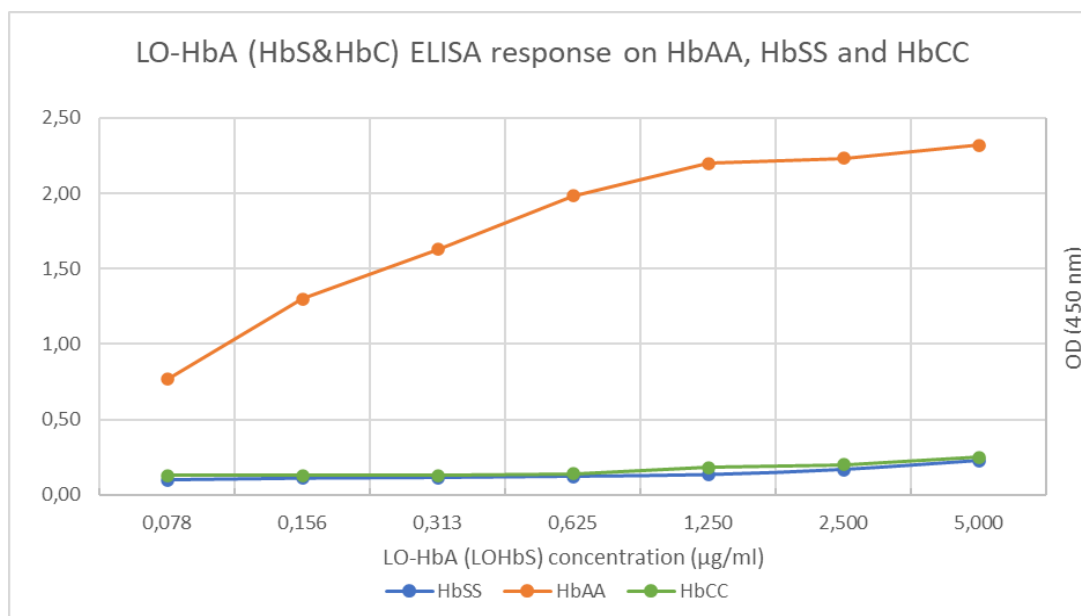
**REACTIVITY :**

HbAA (determined by ELISA), positively tested on HbAA and negatively tested on HbSS and HbCC. It binds to the region of HbA which is mutated in HbS and HbC on the  $\beta$  subunit (E6).

**CROSS-REACTIVITY :**

Does not bind to human HbSS and HbCC.

**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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