

DESIGNATION OF CELL LINE AND PRODUCT : LO-hA-9

IMMUNOGEN :

SUBSTANCE NAME : Purified Human IgA
GENUS SPECIES : Homo sapiens -human

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 IgG2a, allotype IgK-1a
NAME FOR CELL LINE : LO-hA-9 HYBRIDOMA
NAME FOR PRODUCT : LO-hA-9 MONO Ab
ICDB NUMBER : 3046701

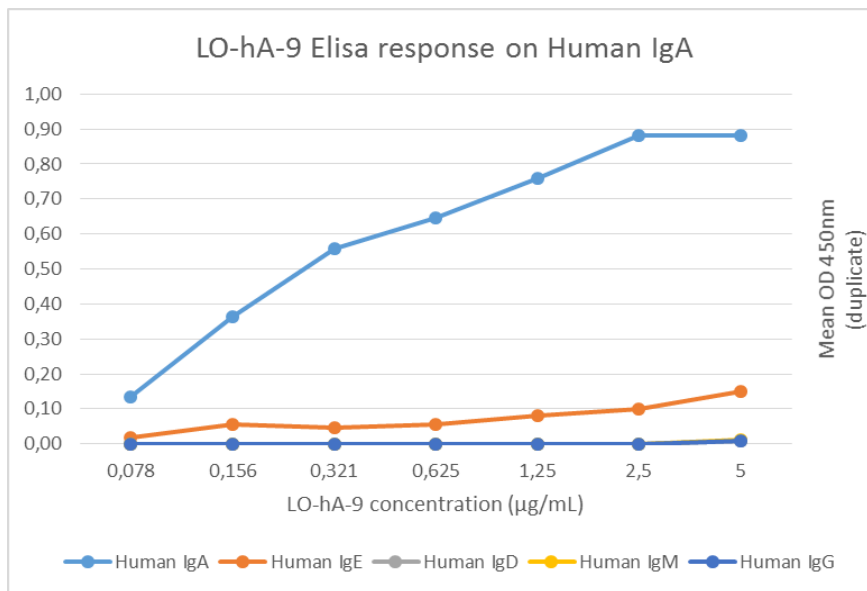
REACTIVITY :

Human alpha 1 and alpha 2 heavy chain of immunoglobulin.

CROSS-REACTIVITY :

Does not cross-react with guinea pig, chicken, rabbit, goat, sheep, pig, cow, horse, dog, swine Ig. Does not cross-react with mouse Ig (ELISA test).

SPECIFICITY ON ELISA:



- Detection antibody : LO-hA-9 Pure
- Secondary antibody : MARK-3-HRP



AVIDITY :

On human IgA lambda BRAI monoclonal myeloma protein: $5 \times 10^8 \text{M}^{-1}$

APPLICATIONS : Cf REACTIVITIES :

- CAPTURE ELISA: GOOD BINDING ON PLASTICS
- CAN BE LABELLED WITH BIOTIN AND PEROXIDASE
- CAN BE USED AS SECOND ANTIBODY IN IMMUNOASSAYS
- CAN DETECT MEMBRANE IgA ON HUMAN LYMPHOCYTES
- CAN BE USED IN IMMUNOAFFINITY CHROMATOGRAPHY for purification of human IgA (Solid phase Sepharose 4B CNBr act.)

FORMAT AVAILABLE:

- Azide Free
- Endotox Free
- Custom labeling available on the full catalog or on request (Phycoerythrin, HRP, FITC, Alexa Fluor, ...)
- In cocktail with another antibody

REFERENCE :

(1) Bazin H. Production of rat monoclonal antibodies with the LOU rat non secreting IR983F myeloma cell line. Prot. Biol. Fluids, 1982, Peeters E. ed., 29th colloquium 1981 Pergamon Press Oxford and N.Y. : 615-618

For more information, see: "Rat Hybridomas and Rat Monoclonal Antibodies". H. BAZIN (Ed.). CRC Press, Boca Raton, Florida, USA, 1990, 515 pages.

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