

DESIGNATION OF CELL LINE AND PRODUCT : LO-hG-20

IMMUNOGEN :

SUBSTANCE NAME : Purified Human IgG
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 IgM, allotype IgK-1a
NAME FOR CELL LINE : LO-hG-20 HYBRIDOMA
NAME FOR PRODUCT : LO-hG-20 MONO Ab
ICDB NUMBER : 3046705

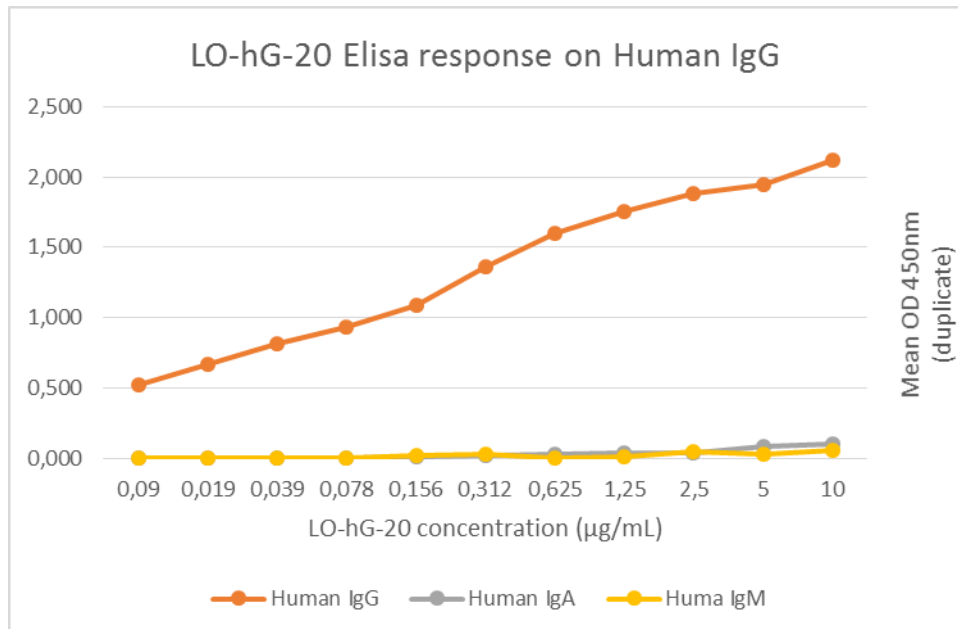
REACTIVITY :

Human gamma heavy chain of immunoglobulin (4 subclasses)

CROSS-REACTIVITY :

Does not cross-react with guinea pig, chicken, sheep, dog, swine Ig.
Cross-reacts with rabbit IgG (ELISA test).

SPECIFICITY ON ELISA:



- Detection antibody : LO-hG-20 Purified (Batch : 10081)
- Coating : Human IgG, IgA or IgM at 2 µg/ml
- Saturation : Gelatin
- Secondary antibody : MARK-1-HRP



AVIDITY:

On human polyclonal IgG: $1.4 \times 10^9 \text{ M}^{-1}$

APPLICATIONS : Cf REACTIVITY

- CAPTURE ELISA: MIDDLE BINDING ON PLASTICS
- CAN BE LABELLED WITH BIOTIN, FITC AND PEROXIDASE.
- CAN BE USED AS SECOND ANTIBODY IN IMMUNOASSAYS
- CANNOT DETECT MEMBRANE IgG ON HUMAN LYMPHOCYTES
- CAN BE USED IN IMMUNOAFFINITY CHROMATOGRAPHY FOR PURIFICATION OF HUMAN IgG (solid phase Sepharose 4B CNBr act.)
- CAN BE USED TO REVEAL IgG ANTIBODY BINDING ON CELLS BY IMMUNOFLUORESCENCE (FLOW CYTOMETRY)

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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