DESIGNATION OF CELL LINE AND PRODUCT : *LO-hM-7*

IMMUNOGEN :

SUBSTANCE NAME : Purified Human IgM
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-hM-7 HYBRIDOMA
NAME FOR PRODUCT : LO-hM-7 MONO Ab
ICDB NUMBER : 3046707

REACTIVITY:

Human mu heavy chain of immunoglobulin.

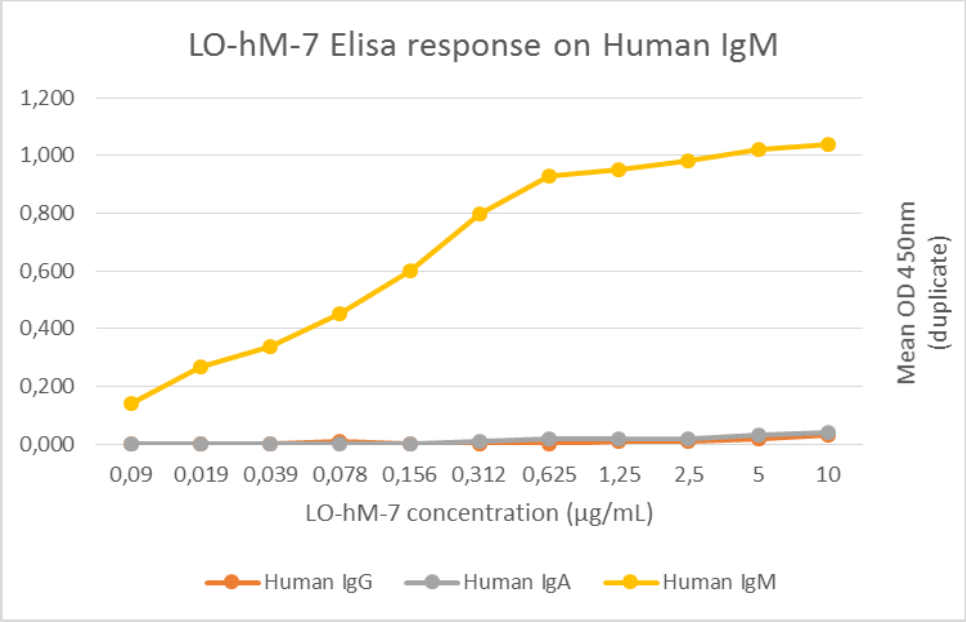
AVIDITY :

On human IgM monoclonal myeloma protein: 2.9 x $10^{9}M^{-1}$

CROSS-REACTIVITY :

Does not cross-react with mouse Ig and chicken, rabbit, goat, sheep, bovine, horse, dog IgG.
Cross-reacts with baboon Ig (ELISA test).

SPECIFICITY ON ELISA:



- Detection antibody : LO-hM-7 Purified (Batch : 10194)
- Coating : Human IgG, IgA or IgM at 2 µg/ml
- Saturation : Gelatin
- Secondary antibody : MARK-1-HRP

SynAbs s.a., Monoclonal Antibody Manufacturing Center – www.synabs.be
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Tel. +32 470/89.56.18 or +32 71/37.48.80

APPLICATIONS : Cf REACTIVITY :

- CAN BE USED FOR CAPTURE ELISA (GOOD BINDING ON PLASTICS)
- CAN BE LABELLED WITH BIOTIN and PEROXIDASE
- CAN BE USED AS SECOND ANTIBODY IN IMMUNOASSAYS
- CAN DETECT MEMBRANE IgM ON HUMAN B LYMPHOCYTES
- CAN BE USED IN IMMUNOAFFINITY CHROMATOGRAPHY for purification of Human IgM (Solid phase Sepharose 4B CNBr act.)
- CAN BE USED ON CRYOSECTIONS (IMMUNOHISTOLOGY) AS FIRST ANTIBODY LABELLED WITH PEROXIDASE

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
(2) Depletion of IgM xenoreactive natural antibodies by injection of anti-mu monoclonal antibodies. (In Immunological Reviews on 1 October 1994 by Latinne, D., Soares, M., et al.)
(3) Differentiation of membrane IgE+ rat B cells into IgE-secreting cells. (In Immunology on 1 August 1993 by Vanhove, B. & Bazin, H.)
(4) Vanhove B., Bach F.H. Transplantation 1993, 56 : 1251-1292
(5) Latinne D. et al. Immunol. Rev. 1994, 141 : 95-125

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

FOR RESEARCH ONLY

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