

DESIGNATION OF CELL LINE AND PRODUCT : LO-MG3-13

IMMUNOGEN :

SUBSTANCE NAME : polyclonal and monoclonal mouse IgG3
GENUS SPECIES : Mus musculus - mouse

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-MG3-13 HYBRIDOMA
NAME FOR PRODUCT : LO-MG3-13 MONO Ab
ICDB NUMBER : 3046730

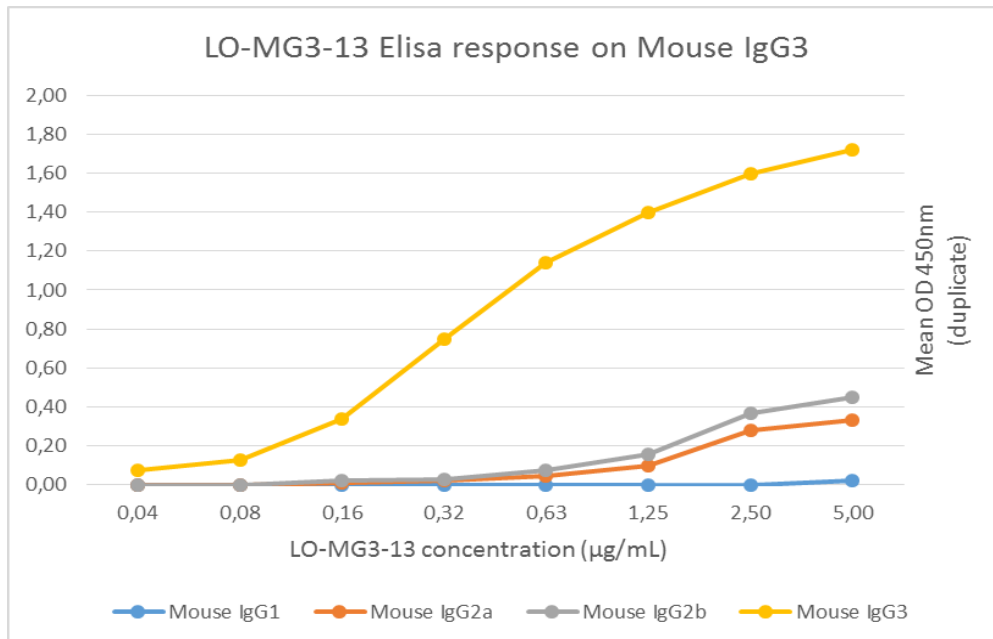
REACTIVITY :

Mouse Gamma3 Heavy Chain of Immunoglobulin (determined by immunodot), positively tested on BALB/c and C57BL/6 mouse sera. The specificity of every rat monoclonal antibody anti-mouse IgG subclasses is determined in a range of optimal concentrations. Increasing the first or the second antibody at an unnecessary too high concentration can induce possible cross-reactions with other mouse IgG subclasses.

CROSS-REACTIVITY:

Does not bind to chicken, rabbit, goat, sheep, bovine, horse, dog, swine, baboon IgG and human IgG or IgM (ELISA test).

SPECIFICITY ON ELISA:



- Detection antibody : LO-MG1-13 Pure
- Secondary antibody : MARK-3-HRP



AVIDITY:

On mouse IgG3: $6.8 \times 10^9 \text{ M}^{-1}$
Cf. avidity sheet, for more details

APPLICATIONS: Cf REACTIVITY

- CAN BE LABELLED WITH BIOTIN, PEROXIDASE AND FITC.
- CAN BE USED AS SECOND ANTIBODY IN IMMUNOASSAYS
- CAPTURE ELISA: GOOD BINDING ON PLASTICS
- CAN BE USED IN IMMUNOAFFINITY CHROMATOGRAPHY for purification of mouse IgG3 (solid phase Sepharose 4b CNBr act.) - capacity: see data sheet.
- CAN BE COATED ON NITROCELLULOSE (DOT-ELISPOT)
- CAN BE USED ON CRYOSECTIONS (IMMUNOHISTOLOGY) AS FIRST ANTIBODY LABELLED WITH PEROXIDASE

LYOPHILIZATION :

Not tested

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., pp. 615-618.
- (2) Resting B cells can act as antigen presenting cells in vivo and induce antibody responses. (In International Immunology on 1 January 1993 by Denis, O., Latinne, D., et al.)
- (3) Denis O. et al. Int. Immunol., 1993, 5 (1) : 71-78.

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

FOR RESEARCH ONLY