

**DESIGNATION OF CELL LINE AND PRODUCT : LO-MG2b-1**

**IMMUNOGEN :**

**SUBSTANCE NAME** : polyclonal IgG from BALB/c mice  
**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 lambda IgG1  
**NAME FOR CELL LINE** : LO-MG2b-1 HYBRIDOMA  
**NAME FOR PRODUCT** : LO-MG2b-1 MONO Ab  
**ICDB NUMBER** : 3003931

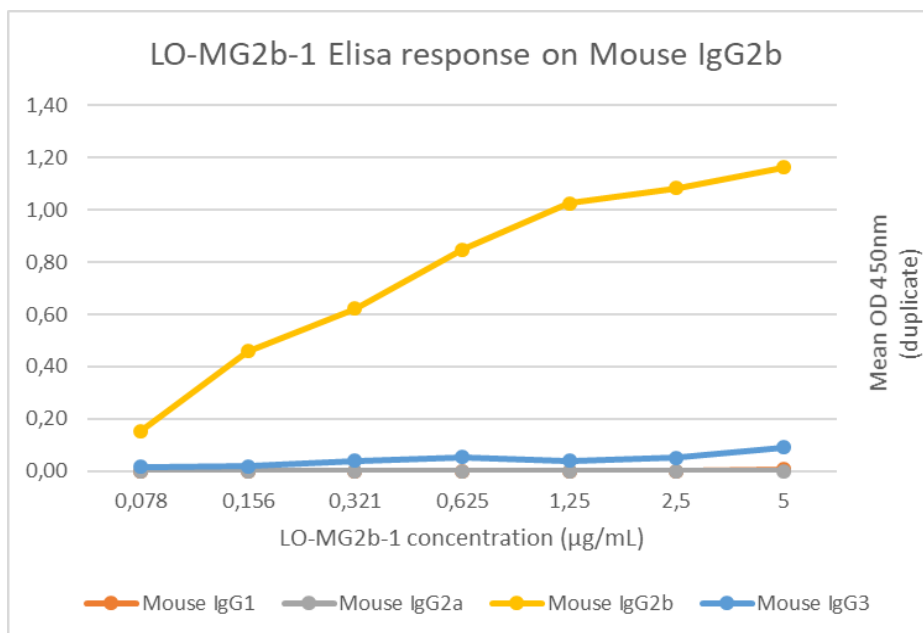
**REACTIVITY:**

Mouse Gamma2b Heavy Chain of Immunoglobulin (determined by immunodot)  
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-MG2b-1 Pure
- Secondary antibody : MARK-3-HRP



**AVIDITY:**

On mouse IgG2b:  $3 \times 10^8 \text{ M}^{-1}$

*Cf. avidity sheet, for more details.*

**APPLICATIONS : Cf REACTIVITIES**

- CAN BE USED IN IMMUNOAFFINITY CHROMATOGRAPHY for purification of mouse IgG2b (solid phase Sepharose 4B CNBr act.) capacity and conditions of elution: see data sheet.
- CAN BE LABELLED WITH FITC
- CAN BE USED AS SECOND ANTIBODY IN IMMUNOASSAYS
- CAPTURE ELISA: MIDDLE BINDING ON PLASTICS

**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

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**