

## DESIGNATION OF CELL LINE AND PRODUCT : *LO-MM-3*

### **IMMUNOGEN :**

**SUBSTANCE NAME :** purified IgM (Mouse polyclonal IgM) 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 Kappa IgM, allotype IgK-1a.  
**NAME FOR CELL LINE :** LO-MM-3 HYBRIDOMA  
**NAME FOR PRODUCT :** LO-MM-3 MONO Ab  
**ICDB NUMBER:** 3003924

### **REACTIVITY :**

Mu heavy chain of Mouse immunoglobulin (2) (determined by immunodot)

### **CROSS-REACTIVITY:**

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

### **AVIDITY:**

On mouse IgM:  $2 \times 10^8 \text{ M}^{-1}$   
*Cf. avidity sheet, for more details*

### **APPLICATIONS : Cf REACTIVITY**

- CAN BE USED AS SECOND ANTIBODY IN IMMUNOASSAYS
- CAN BE LABELLED WITH TRITC
- CAPTURE ELISA: GOOD BINDING ON PLASTICS
- CAN BE USED IN IMMUNOAFFINITY CHROMATOGRAPHY for purification of mouse IgM (Solid phase Sepharose 4B CNBr act.)

### **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



**REFERENCES:**

- (1) Airway inflammation and IgE production induced by dust mite allergen-specific memory/effector Th2 cell line can be effectively attenuated by IL-35 (In The Journal of Immunology on 1 July 2011 by Huang, C. H., Loo, E. X., et al.)
- (2) Increased B cell proliferation and reduced Ig production in DREAM transgenic mice (In The Journal of Immunology on 15 December 2010 by Savignac, M., Mellstrom, B., et al.)
- (3) 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
- (4) Cormont F., Manouvriez P., De Clercq L., Bazin H. The use of rat monoclonal antibodies to characterize, quantify and purify polyclonal or monoclonal mouse IgM. Meth. in Enzymol. 1986,121:622-631

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**