



## DESIGNATION OF CELL LINE AND PRODUCT : *LO-MA-7*

### **IMMUNOGEN :**

**SUBSTANCE NAME :** purified polyclonal IgA (Mouse IgA) 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-MA-7 HYBRIDOMA  
**NAME FOR PRODUCT :** LO-MA-7 MONO Ab  
**ICDB NUMBER:** 3042716

### **REACTIVITY:**

Mouse alpha heavy chain of immunoglobulin (determined by immunodot)

### **CROSS-REACTIVITY:**

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

### **AVIDITY:**

On mouse IgA:  $4.8 \times 10^9 M^{-1}$

### **APPLICATIONS : Cf REACTIVITY**

- CAN BE LABELLED WITH BIOTIN
- CANNOT BE LABELLED WITH FITC AND PEROXIDASE
- CAN BE USED AS SECOND ANTIBODY IN IMMUNOASSAYS
- CAPTURE ELISA: LOW BINDING ON PLASTICS
- CAN BE USED IN IMMUNOAFFINITY CHROMATOGRAPHY for purification of mouse IgA (solid phase Sepharose 4b CNBr act.) - capacity: see data sheet.

### **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. : 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**

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SynAbs s.a., Monoclonal Antibody Manufacturing Center – [www.synabs.be](http://www.synabs.be)  
48, Rue Auguste Piccard, ITech Incubator 2, Aile Piccard +1, B-6041, Gosselies, Belgium .  
VAT registration BE 0637.716.206 - Bank account : Belfius, BE72 0689 0305 9216  
Tel. +32 470/89.56.18 or +32 71/37.48.80