



## DESIGNATION OF CELL LINE AND PRODUCT: *LO-MA-10*

### **IMMUNOGEN :**

**SUBSTANCE NAME :** purified polyclonal 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-10 HYBRIDOMA  
**NAME FOR PRODUCT :** LO-MA-10 MONO Ab  
**ICDB NUMBER :** 3046715

### **REACTIVITY:**

Mouse alpha heavy chain of immunoglobulin (determined by immunodot), positively tested on BALB/c and C57BL/6 mouse sera.

### **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:  $2.9 \times 10^9 M^{-1}$

### **APPLICATIONS : Cf REACTIVITY**

- CAPTURE ELISA: GOOD BINDING ON PLASTICS
- CAN BE LABELLED WITH PEROXIDASE AND BIOTIN
- CANNOT BE LABELLED WITH FITC
- CAN BE USED AS SECOND ANTIBODY IN IMMUNOASSAYS
- 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. : 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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