

**DESIGNATION OF CELL LINE AND PRODUCT : LO-ME-2**

**IMMUNOGEN :**

**SUBSTANCE NAME :** purified mouse IgE 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 IgG2a, allotype IgK-1a  
**NAME FOR CELL LINE :** LO-ME-2 HYBRIDOMA  
**NAME FOR PRODUCT :** LO-ME-2 MONO Ab  
**ICDB NUMBER :** 3003926

**REACTIVITY :**

Mouse epsilon heavy chain of immunoglobulin (determined by immunodot), positively tested on BALB/c and C57BL/6 mouse sera. LO-ME-2 and LO-ME-3 do not bind to the same epitope.

**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 IgE:  $2 \times 10^9 \text{ M}^{-1}$   
*Cf. avidity sheet, for more details*

**APPLICATIONS :** *Cf REACTIVITY*

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

**LYOPHILIZATION :**

Yes.

**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
- (2) Gut flora allows recovery of oral tolerance to ovalbumin in mice after transient breakdown mediated by cholera toxin or Escherichia coli heat-labile enterotoxin. (In Pediatric Research on 1 April 1996 by Gaboriau-Routhiau, V. & Moreau, M. C.)
- (3) The absence of gut flora, the doses of antigen ingested and aging affect the long-term peripheral tolerance induced by ovalbumin feeding in mice. (In Research in Immunology on 1 January 1996 by Moreau, M. C. & Gaboriau-Routhiau, V.)
- (4) CD23 expression in aged rats. (In International Archives of Allergy and Immunology on 1 January 1992 by Chavez, V., Parreira Soares, M., et al.)
- (5) Chavez M. et al. Int. Arch. All. Immunol. 1992,97:330-336.
- (6) Gaboriau-Routhiau V. and Moreau M.C. Pediatric Research 1996,39:625.
- (7) Moreau-M.C. and Gaboriau-Routhiau V. Res. Immunol. 1996,147:49.

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**