

**DESIGNATION OF CELL LINE AND PRODUCT : LO-ME-3**

**IMMUNOGEN :**

**SUBSTANCE NAME :** purified IgE (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 IgG1, allotype IgK-1a  
**NAME FOR CELL LINE :** LO-ME-3 HYBRIDOMA  
**NAME FOR PRODUCT :** LO-ME-3 MONO Ab  
**ICDB NUMBER :** 3003927

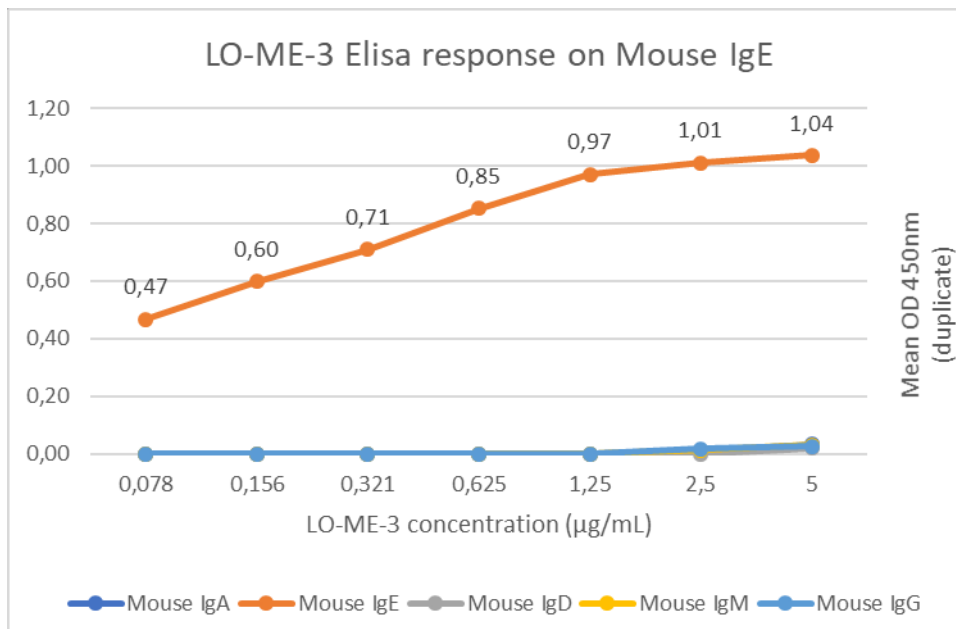
**REACTIVITY:**

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. LO-ME-3 doesn't cross-react with rat IgE.

**CROSS-REACTIVITY:**

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

**SPECIFICITY ON ELISA:**



- Detection antibody : LO-ME-3 Pure
- Secondary antibody : MARK-3-HRP



**AVIDITY:**

On mouse IgE:  $3 \times 10^9 \text{ M}^{-1}$   
*Cf. avidity sheet, for more details*

**APPLICATIONS : Cf REACTIVITY**

- CAPTURE ELISA: GOOD BINDING ON PLASTICS
- CAN BE LABELLED WITH BIOTIN
- CAN BE LABELLED WITH PEROXIDASE
- CAN BE LABELLED WITH FITC
- CAN BE USED AS SECOND ANTIBODY IN IMMUNOASSAYS
- CAN BE COATED ON NITROCELLULOSE (DOT-ELISPOT)

**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) Protective effect of components isolated from *Lindera erythrocarpa* against oxidative stress-induced apoptosis of H9c2 cardiomyocytes. (In Phytotherapy Research : PTR on 1 November 2011 by Kim, J. A., Jung, Y. S., et al.)
- (3) 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.)
- (4) A unique role of the cholera toxin A1-DD adjuvant for long-term plasma and memory B cell development. (In The Journal of Immunology on 1 February 2011 by Bemark, M., Bergqvist, P., et al.)
- (5) 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.)
- (6) A novel CC-chemokine receptor 3 antagonist, Ki19003, inhibits airway eosinophilia and subepithelial/peribronchial fibrosis induced by repeated antigen challenge in mice. (In Journal of Pharmacological Sciences on 6 February 2010 by Komai, M., Tanaka, H., et al.)
- (7) Allergic sensitization to bovine beta-lactoglobulin: comparison between germ-free and conventional BALB/c mice. (In International Archives of Allergy and Immunology on 22 August 2008 by Hazebrouck, S., Przybylski-Nicaise, L., et al.)
- (8) Increased transcription of immune and metabolic pathways in naive and allergic mice exposed to diesel exhaust. (In Toxicological Sciences on 1 April 2008 by Stevens, T., Krantz, Q. T., et al.)
- (9) Cyclooxygenase inhibition augments allergic inflammation through CD4-dependent, STAT6-independent mechanisms. (In The Journal of Immunology on 1 January 2005 by Hashimoto, K., Sheller, J. R., et al.)
- (10) Role of Th2 responses in the development of allergen-induced airway remodelling in a murine model of allergic asthma. (In British Journal of Pharmacology on 1 March 2003 by Komai, M., Tanaka, H., et al.)
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- (12) Chavez M. et al. Int. Arch. All. Immunol. 1992,97:330-336.
- (13) El Bouhdidi et al. Parasite Immunology 1994, 16: 69-76
- (14) Pierre P. et al. Eur. J. Immunol., 1992, 22: 3179-3182
- (15) Van Mechelen M. et al. Int. Immunol. 1995, 7: 199-205.

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**