

DESIGNATION OF CELL LINE AND PRODUCT : LO-MG2b-2

IMMUNOGEN:

SUBSTANCE NAME: purified IgG 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-MG2b-2 HYBRIDOMA
NAME FOR PRODUCT : LO-MG2b-2 MONO Ab
ICDB NUMBER : 3000329

REACTIVITY:

Mouse Gamma2b Heavy Chain of Immunoglobulin (determined by immunodot), positively tested on BALB/c and C57BL/6 mouse sera. The specificity of every rat monoclonal antibody anti-mouse IgG subclasses is determined in a range of optimal concentrations. Increasing the first or the second antibody at an unnecessary too high concentration can induce possible cross-reactions with other mouse IgG subclasses.

CROSS-REACTIVITY:

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

AVIDITY:

On mouse IgG2b: $1 \times 10^{10} \text{ M}^{-1}$
Cf. avidity sheet, for more details

APPLICATIONS: Cf REACTIVITY

- CAN BE USED IN IMMUNOAFFINITY CHROMATOGRAPHY for purification of mouse IgG2b (solid phase Sepharose 4B CNBr act.) capacity: see data sheet.
- CAN BE LABELLED WITH FITC, BIOTIN AND PEROXIDASE
- CAN BE USED AS SECOND ANTIBODY IN IMMUNOASSAYS
- CAPTURE ELISA: LOW BINDING ON PLASTICS
- CAN BE COATED ON NITROCELLULOSE (DOT-ELISPOT)

LYOPHILIZATION :

Yes, possibly with a low denaturation.

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., pp. 615-618.
- (2) Trypanosoma cruzi infection in mice induces a polyisotypic hypergammaglobulinaemia and parasite-specific response involving high IgG2a concentrations and highly avid IgG1 antibodies. (In Parasite Immunology on 1 February 1994 by el Bouhdidi, A., Truyens, C., et al.)
- (3) Resting B cells can act as antigen presenting cells in vivo and induce antibody responses. (In International Immunology on 1 January 1993 by Denis, O., Latinne, D., et al.)
- (4) Modulation of oral tolerance to ovalbumin by cholera toxin and its B subunit. (In European Journal of Immunology on 1 December 1992 by Pierre, P., Denis, O., et al.)
- (5) Rat monoclonal antibodies. I. Rapid purification from in vitro culture supernatants. (In Journal of Immunological Methods on 10 February 1984 by Bazin, H., Xhurdebise, L. M., et al.)
- (6) Denis O. et al. Int. Immunol., 1993, 5 (1) : 71-78.
- (7) El Bouhdidi et al. Parasite Immunology 1994, 16 : 69-76
- (8) Pierre P. et al. Eur. J. Immunol., 1992, 22 : 3179-3182

For more information, see: Rat Hybridomas and Rat Monoclonal Antibodies. Bazin H. (Ed.), CRC Press, Boca Raton, Florida, USA, 1990, 515 pages.

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