DESIGNATION OF CELL LINE AND PRODUCT: LO-MD-6

IMMUNOGEN:

SUBSTANCE NAME: IgD (MOUSE DELTA HEAVY CHAIN OF IMMUNOGLOBULIN) TEPC 1017, TEPC 1033 (1)
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 (2)

HYBRIDOMA CELLS AND MONOCLONAL ANTIBODY:

CLASS OF ANTIBODY PRODUCED: Rat kappa IgG2a, allotype IgK-1a
NAME FOR CELL LINE: LO-MD-6 HYBRIDOMA
NAME FOR PRODUCT: LO-MD-6 MONO Ab
ICDB NUMBER: 3046717

reactivity:

Mouse delta 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 (3):

On Mouse IgD: 1.2 x 10^9 M^-1 by BIACORE (Pharmacia)*.  

APPLICATIONS: cf REACTIVITY

• CAPTURE ELISA: GOOD BINDING ON PLASTICS
• CAN BE LABELLED WITH BIOTIN
• CAN BE LABELLED WITH PEROXIDASE AND FITC.
• CAN BE USED AS SECOND ANTIBODY IN IMMUNOASSAYS
• IMMUNOFFINITY CHROMATOGRAPHY for purification of mouse IgD (solid phase Sepharose 4b CNBr act.) - capacity: see data sheet.
• CAN BE COATED ON NITROCELLULOSE (DOT-ELISPOT)
• CAN BE USED ON CRYOSECTIONS (IMMUNOHISTOLOGY) AS FIRST ANTIBODY LABELLED WITH PEROXIDASE

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

REFERENCES:

(4) B-Cell suppression in adult mice injected with anti-delta followed by anti-mu mAb. (In Cellular Immunology on 10 October 2000 by Chentoufi, A. A., Nizet, Y., et al..)


FOR RESEARCH ONLY

*Kindly determined by Th. Delaunay (INRA, France).*