コスモ・バイオ株式会社

DESIGNATION OF CELL LINE AND PRODUCT : *MARG2a-7*

IMMUNOGEN :

SUBSTANCE NAME : IgG2a (Polyclonal antibodies anti horse spleen ferritin, IR33 (1,2)
GENUS SPECIES : Rattus norvegicus - rat
STRAIN : LOU/C

IMMUNOCYTE DONOR :

GENUS SPECIES : Mus musculus - mouse
STRAIN : BALB/c

IMMORTAL CELL PARTNER :

DESIGNATION : PAI-O (PAI-O IS A PUBLISHED CELL LINE of BALB/c origin)

HYBRIDOMA CELLS AND MONOCLONAL ANTIBODY :

CLASS OF ANTIBODY PRODUCED : Mouse kappa IgG1
NAME FOR CELL LINE : MARG2a-7 HYBRIDOMA
NAME FOR PRODUCT : MARG2a-7 MONO Ab
ICDB NUMBER : 3000191

AVIDITY:

On rat IgG2a: 6.2 x $10^{9}M^{-1}$ (Cf. avidity sheet, for more details).

REACTIVITY :

Rat gamma 2a heavy chain of immunoglobulin (determined by immunodot)
The specificity of MAbs anti-IgG subclasses is determined in a range of optimal concentrations.
Increasing of the first or second antibody up to an inadequate and unnecessary concentration can induce possible cross-reactions with other subclasses.

APPLICATIONS : Cf REACTIVITY :

- CAPTURE ELISA: GOOD BINDING ON PLASTICS
- CAN BE LABELLED WITH BIOTIN, PEROXIDASE AND FITC
- CAN BE USED AS SECOND ANTIBODY IN IMMUNOASSAYS
- 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

REFERENCES :

(1) Bazin H., Beckers A., Deckers C. & Moriame M. Transplantable immunoglobulin-secreting tumours in rats.V.Monoclonal immunoglobulins secreted by 250 ileocecal immunocytomas in the LOU/Wsl rats. J. Nat. Cancer Inst. 1973,51 :1359-1361
(2) Bazin H., Beckers A. & Querinjean P. Three classes and four subclasses of rat immunoglobulins: IgM, IgA, IgE and IgG1, IgG2a, IgG2b, IgG2c. Eur. J. Immunology 1974, 4 : 44-48

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

FOR RESEARCH ONLY

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