



Qty: 100 µg/200 µL

Mouse anti-MAGE-A

Catalog No. 35-6300

Lot No.

Mouse anti-MAGE-A

FORM

This monoclonal antibody is supplied as a 200 µl aliquot at a concentration of 0.5 mg/ml in PBS, pH 7.4, containing 0.1% sodium azide. This antibody is highly purified from mouse ascites by protein A chromatography.

CLONE: 6C1

ISOTYPE: Mouse IgG_{2a}

IMMUNOGEN

Full-length recombinant human MAGE-A.

SPECIFICITY

This antibody reacts broadly with different members of the MAGE-A family: MAGE-1, -2, -3, -4, -6, -10 and -12. MAGE-10 has a molecular weight of ~72 kDa. The rest of the MAGE-A proteins have molecular weights ~45-50 kDa.

REACTIVITY

Reactivity is confirmed with human SK-MEL-37 melanoma cell lysates.

Sample	ELISA (native)	Frozen Tissue	Immuno- fluorescence	Immuno- precipitation (native)	Western Blotting	Immuno- cytochemistry
Human	+++	++	++	+	+++	++
Immunogen	+++	ND	ND	ND	ND	

(Excellent +++, Good++, Poor +, No reactivity 0, Not applicable N/A, Not Determined ND)

USAGE

Working concentrations for specific applications should be determined by the investigator. Appropriate concentrations will be affected by several factors, including secondary antibody affinity, antigen concentration, sensitivity of detection method, temperature and length of incubations, etc. The suitability of this antibody for applications other than those listed below has not been determined. The following concentration ranges are recommended starting points for this product.

ELISA: 0.1-1 µg/ml
Immunocytochemistry⁽³⁾: 10 µg/ml
Immunohistochemistry: 10 µg/ml
Immunofluorescence⁽³⁾: 10 µg/ml
Immunoprecipitation: 10 µg/ml
Western Blotting: 1-3 µg/ml

STORAGE

Store at 2-8°C for up to one month. Store at -20°C for long-term storage. Avoid repeated freezing and thawing.

(cont'd)

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PI356300

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BACKGROUND

The MAGE-A protein is expressed in many types of tumors including melanoma, breast and lung. However, in normal tissues, it is only present in adult testis and placenta¹. The family of MAGE-A proteins includes MAGE-1, -2, -3, -4, -6, -10, and -12. MAGE-1, -3, -6 and -10 are able to recognize specific cytolytic T lymphocytes derived from tumors or peripheral blood². Additionally, MAGE-3 shows HLA class II restricted epitopes. Therefore, MAGE-A is regarded as a possible immunotherapy candidate, with clinical studies currently underway involving immunization with MAGE-1 and -3 peptides³.

REFERENCES

1. De Plaen E et al. *Immunogenetics* 40:360-369, 1994.
2. Zorn E et al. *Eur. J. Immunol.* 29:602-607, 1999.
3. Rimoldi et al. *Int. J. Cancer* 86:749-751, 2000.

RELATED PRODUCTS

Product	Clone/PAD*	Cat. No.
Ms anti-CD63	Fc-5.01	18-7300
Ms anti-Melanoma Assoc. Glycoprotein	NK1/C-3	18-0276
Ms anti-MART-1	M2-7C10/ M2-9E3	18-7238
Protein A	Sepharose® 4B	10-1041
rec-Protein G	Sepharose® 4B	10-1241

*PAD: Polyclonal Antibody Designation

Conjugate	ZyMAX™ Goat x Rabbit IgG (H+L)	ZyMAX™ Goat x Mouse IgG (H+L)
Purified	81-6100	81-6500
FITC	81-6111	81-6511
TRITC	81-6114	81-6514
Cy™3	81-6115	81-6515
Cy™5	81-6116	81-6516
HRP	81-6120	81-6520
AP	81-6122	81-6522
Biotin	81-6140	81-6540

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