

Mouse anti-Human MAGE-1 Monoclonal Antibody | anti-MAGEA1 antibody

MAGE-1 (Target for Cancer Immunotherapy) Mouse Monoclonal Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA62744	Mouse	Human	Immunohistochemistry, Immunofluorescence, Flow Cytometry, Functional Assay

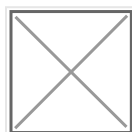
PRODUCT SYNONYMS

MAGE-1; Monoclonal Antibody; MAGE-1 (Target for Cancer Immunotherapy) Mouse Monoclonal Antibody; MZ2 E; cancer/testis antigen 1.1; CT1.1; MAGE1A; MAGEA1; Melanoma antigen family A 1; Melanoma associated antigen 1; Melanoma associated antigen MZ2 E; anti-MAGEA1 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG1, kappa
Clone Number	MZ2E/838
Specificity	Recognizes a protein of 42-46kDa, identified as MAGE-1. This MAb does not cross-react with other members of MAGE-family. Human malignant neoplasms carry rejection antigens that are recognized by the patients' autologous, tumor directed and specific, cytolytic, CD8+ T lymphocyte clones (CTL). The MAGE family of genes codes an important group of antigens. It was identified that melanomas and primary glial brain tumors express common melanoma associated antigens (MAAs). Because MAGE-1 is expressed on a significant proportion of human neoplasms of various histological types (melanoma, brain tumors of glial origin, neuroblastoma, non-small cell lung cancer, breast, gastric, colorectal, ovarian, renal cell carcinomas) and not on normal tissues, the encoded antigen may serve as a marker of early detection and target for cancer immunotherapy.
Form/Format	Purified Ab WITHOUT BSA and AZIDE at 1.0 mg/mL.
Sequence Length	309
Applicable Applications for anti-MAGEA1 antibody	IHC (Immunohistochemistry), IF (Immunofluorescence), FCM/FACS (Flow Cytometry)
Cellular Localization	Cytoplasm, Nucleus
Immunogen	Recombinant human MAGEA1 protein
Positive Control	Breast, colorectal, gastric, gliomas. Melanoma cell lines, Melanomas, Neuroblastoma, non-small cell lung, cancer, ovarias and renal cell carcinomas.
Preparation and Storage	Store at 2 to 8 degree C.

IMAGES



IHC (Immunohistochemistry)

Formalin-fixed, paraffin-embedded human Testicular Carcinoma stained with MAGE-1 Monoclonal Antibody (MZ2E/838).

ADDITIONAL INFORMATION

References	Kobayashi, Y., et al. 2000. Expression of MAGE, GAGE and BAGE genes in human liver diseases: utility as molecular markers for hepatocellular carcinoma. J. Hepatol. 32: 612-617
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NCBI AND UNIPROT INFORMATION

NCBI GI #	148276977
NCBI GeneID	4100
NCBI Accession #	NP_004979.3
NCBI GenBank Nucleotide #	NM_004988.4
UniProt Accession #	P43355; O00346; B2RC81; AAB33086
Molecular Weight	42-46kDa
NCBI Official Full Name	melanoma-associated antigen 1
NCBI Official Synonym Full Names	MAGE family member A1
NCBI Official Symbol	MAGEA1
NCBI Official Synonym Symbols	CT1.1; MAGE1
NCBI Protein Information	melanoma-associated antigen 1
UniProt Protein Name	Melanoma-associated antigen 1
UniProt Gene Name	MAGEA1
UniProt Synonym Gene Names	MAGE1; MAGE1A; CT1.1
UniProt Entry Name	MAGA1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/mage-1-antibody-clone-mz2e-838-immunohistochemistry-immunofluorescence-flow-cytometry-elisa/62744>