

**MAGE-1 (Target for Cancer Immunotherapy) Antibody - With BSA and Azide**  
**Mouse Monoclonal Antibody [Clone MZ2E/838 ]**  
**Catalog # AH11783**

**Specification**

**MAGE-1 (Target for Cancer Immunotherapy) Antibody - With BSA and Azide - Product Information**

Application	IHC, IF, FC
Primary Accession	<a href="#">P43355</a>
Other Accession	<a href="#">4100, 72879</a>
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Isotype	Mouse / IgG1, kappa
Calculated MW	42-46kDa KDa

**MAGE-1 (Target for Cancer Immunotherapy) Antibody - With BSA and Azide - Additional Information**

**Gene ID** 4100

**Other Names**

Melanoma-associated antigen 1, Antigen MZ2-E, Cancer/testis antigen 1.1, CT1.1, MAGE-1 antigen, MAGEA1, MAGE1, MAGE1A

**Application Note**

IHC~~1:100~500  
IF~~1:50~200  
FC~~1:10~50

**Storage**

Store at 2 to 8°C. Antibody is stable for 24 months.

**Precautions**

MAGE-1 (Target for Cancer Immunotherapy) Antibody - With BSA and Azide is for research use only and not for use in diagnostic or therapeutic procedures.

**MAGE-1 (Target for Cancer Immunotherapy) Antibody - With BSA and Azide - Protein Information**

**Name** MAGEA1

**Synonyms** MAGE1, MAGE1A

**Function**

May be involved in transcriptional regulation through interaction with SNW1 and recruiting histone deacetylase HDAC1. May inhibit notch intracellular domain (NICD) transactivation. May play a role in embryonal development and tumor transformation or aspects of tumor progression. Antigen recognized on a melanoma by autologous cytolytic T-lymphocytes.

**Cellular Location**

Cytoplasm. Nucleus.

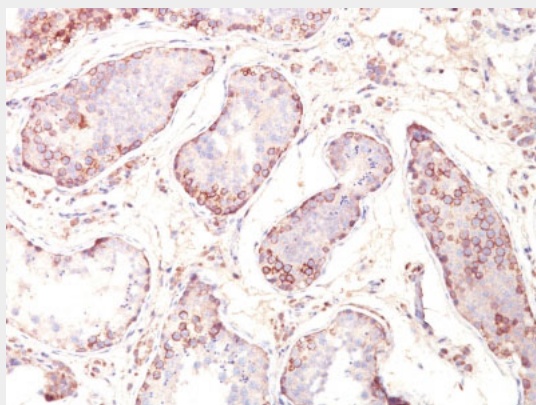
**Tissue Location**

Expressed in many tumors of several types, such as melanoma, head and neck squamous cell carcinoma, lung carcinoma and breast carcinoma, but not in normal tissues except for testes. Never expressed in kidney tumors, leukemias and lymphomas

**MAGE-1 (Target for Cancer Immunotherapy) Antibody - With BSA and Azide - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

**MAGE-1 (Target for Cancer Immunotherapy) Antibody - With BSA and Azide - Images**

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

**MAGE-1 (Target for Cancer Immunotherapy) Antibody - With BSA and Azide - Background**

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.

**MAGE-1 (Target for Cancer Immunotherapy) Antibody - With BSA and Azide - 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