

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

Mouse Monoclonal Antibody [Clone MZ2E/838 ]

Catalog # AH11783

## Product Information

---

<b>Application</b>	IHC, IF, FC
<b>Primary Accession</b>	<a href="#">P43355</a>
<b>Other Accession</b>	<a href="#">4100</a> , <a href="#">72879</a>
<b>Reactivity</b>	Human
<b>Host</b>	Mouse
<b>Clonality</b>	Monoclonal
<b>Isotype</b>	Mouse / IgG1, kappa
<b>Clone Names</b>	MZ2E/838
<b>Calculated MW</b>	34342

## Additional Information

---

<b>Gene ID</b>	4100
<b>Other Names</b>	Melanoma-associated antigen 1, Antigen MZ2-E, Cancer/testis antigen 1.1, CT1.1, MAGE-1 antigen, MAGEA1, MAGE1, MAGE1A
<b>Application Note</b>	IHC~~1:100~500 IF~~1:50~200 FC~~1:10~50
<b>Storage</b>	Store at 2 to 8°C.Antibody is stable for 24 months.
<b>Precautions</b>	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.

## Protein Information

---

<b>Name</b>	MAGEA1
<b>Synonyms</b>	MAGE1, MAGE1A
<b>Function</b>	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.
<b>Cellular Location</b>	Cytoplasm. Nucleus.  Expressed in many tumors of several types, such as melanoma, head and

<b>Tissue Location</b>	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
------------------------	---

## 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.

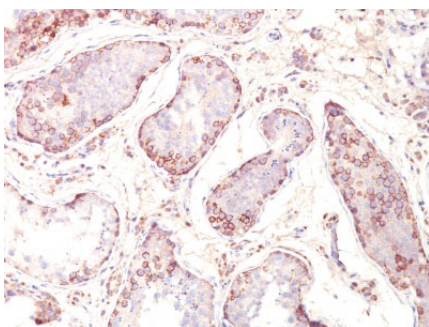
## References

---

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

## Images

---



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

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.