

MAGE-1 (Target for Cancer Immunotherapy) Antibody

Mouse Monoclonal Antibody [Clone MA454]

Catalog No	Format	Size
4100-MSM1-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
4100-MSM1-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
4100-MSM1-P1ABX	Purified Ab WITHOUT BSA and Azide at 1.0mg/ml	100 ug

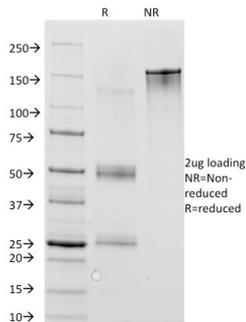
Applications	Tested Dillution	Note
Immunohistochemistry (IHC)	1-2ug/ml	30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes

Product Details

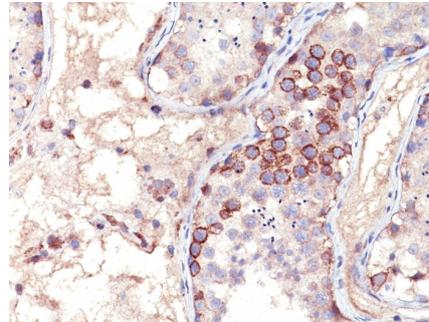
Clone	MA454
Gene Name	MAGEA1
Immunogen	Recombinant full-length human MAGE-A1 protein
Host	Mouse
Clonality	Monoclonal
Isotype / Light Chain	IgG1 / Kappa
Mol. Weight of Antigen	42-46kDa
Cellular Localization	Cytoplasm, Nucleus
Species Reactivity	Dog, Human, Rat
Positive Control	Melanoma cell lines. Melanomas or testicular carcinomas.

*Optimal dilution for a specific application should be determined.

Product Images for MAGE-1 (Target for Cancer Immunotherapy) Antibody



SDS-PAGE Analysis of Purified MAGE-1 Mouse Monoclonal Antibody(MA454). Confirmation of Integrity and Purity of Antibody



Formalin-fixed, paraffin-embedded human Testicular Carcinoma stained with MAGE-1 Mouse Monoclonal Antibody (MA454).

Specificity & Comments

Recognizes a protein of 42-46kDa, identified as MAGE-1. This MAb does not cross-react with MAGE-2, -3, -4, -6 -9, -10, -or -12 protein. 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.

Limitations and Warranty

This antibody is available for research use only and is not approved for use in diagnosis. There are no warranties, expressed or implied, which extend beyond this description. Company is not liable for any personal injury or economic loss resulting from this product.

Supplied As

200ug/ml of Ab Purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.

Storage and Stability

Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

Research Areas

Immuno Oncology
