

Mouse Melanoma Antigen Family A, 4/MAGEA4 Monoclonal Antibody | anti-MAGEA4 antibody

Melanoma Antigen Family A, 4/MAGEA4

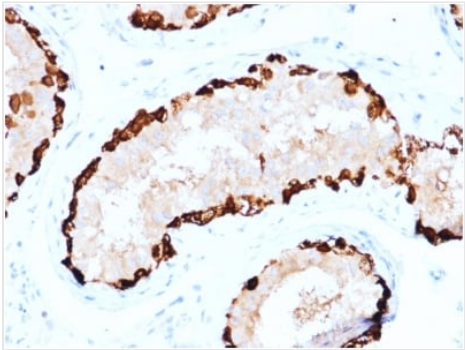
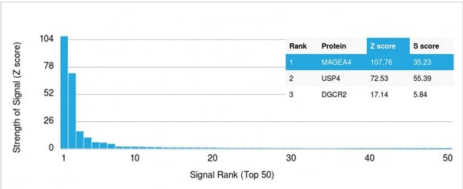
CATALOG # AAA214774	HOST Mouse	REACTIVITY Human. Others not tested.	APPLICATIONS Immunohistochemistry
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PRODUCT SYNONYMS

Melanoma Antigen Family A; 4/MAGEA4; Monoclonal Antibody; CT1.4; MAGE-41; MAGE-X2; MAGE4; MAGE4A; MAGE4B; cancer/testis antigen 1.4; Melanoma-associated antigen 4; anti-MAGEA4 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human. Others not tested.
Clonality	Monoclonal
Isotype	IgG2c
Clone Number	CPTC-MAGEA4-1
Specificity	The melanoma-associated antigen (MAGE) family consists of a number of antigens recognized by cytotoxic T lymphocytes. The MAGE genes were initially isolated from different kinds of tumors, and based on their virtually exclusive tumor-specific expression in adult tissues, they have been used as targets for cancer immunotherapy. MAGE genes encode for tumor-rejection antigens and are expressed in tumors of different histologic types, but not in normal tissues, with the exception of testis and placenta.
Purity/Purification	Purified Ab with BSA and Azide at 200ug/ml OR Purified Ab WITHOUT BSA and Azide at 1.0mg/ml
Form/Format	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.
Sequence Length	317
Applicable Applications for anti-MAGEA4 antibody	IHC (Immunohistochemistry)
Immunogen	Recombinant human full-length protein
Positive Control	HepG2 cell lysate; melanoma, testes and placenta.
Cellular Localization	Cytoplasmic and nuclear.
Chromosome Location	Xq28
Preparation and Storage	Antibody with azide - store at 2 to 8 degree C. Antibody without azide - store at -20 to -80 degree C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.



IHC (Immunohistochemistry)
Formalin-fixed, paraffin-embedded human Testis stained with MAGEA4 Mouse Monoclonal Antibody (CPTC-MAGEA4-1).

Application Data
Analysis of Protein Array containing more than 19,000 full-length human proteins using MAGEA4 Mouse Monoclonal Antibody (CPTC-MAGEA4-1). Z- and S- Score: The Z-score represents the strength of a signal that a monoclonal antibody (MAb) (in combination with a fluorescently-tagged anti-IgG secondary antibody) produces when binding to a particular protein on the HuProt™ array. Z-scores are described in units of standard deviations (SD's) above the mean value of all signals generated on that array. If targets on HuProt™ are arranged in descending order of the Z-score, the S-score is the difference (also in units of SD's) between the Z-score. S-score therefore represents the relative target specificity of a MAb to its intended target. A MAb is considered to specific to its intended target, if the MAb has an S-score of at least 2.5. For example, if a MAb binds to protein X with a Z-score of 43 and to protein Y with a Z-score of 14, then the S-score for the binding of that MAb to protein X is equal to 29.

ADDITIONAL INFORMATION

References	Rogner, UC, et al. The Melanoma Antigen Gene (MAGE) Family Is Clustered in the Chromosomal Band Xq28. Genomics., U.S. National Library of Medicine, 10 Oct. 1995.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	58530867
NCBI GeneID	4103
NCBI Accession #	NP_001011548.1
NCBI GenBank Nucleotide #	NM_001011548.1
UniProt Accession #	P43358; Q14798
Molecular Weight	45-50kDa
NCBI Official Full Name	melanoma-associated antigen 4
NCBI Official Synonym Full Names	MAGE family member A4
NCBI Official Symbol	MAGEA4
NCBI Official Synonym Symbols	CT1.4; MAGE4; MAGE4A; MAGE4B; MAGE-41; MAGE-X2
NCBI Protein Information	melanoma-associated antigen 4
UniProt Protein Name	Melanoma-associated antigen 4
UniProt Gene Name	MAGEA4
UniProt Synonym Gene Names	MAGE4; CT1.4

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.