

### 36-1412: Monoclonal Antibody to MAGE-1 (Target for Cancer Immunotherapy)(Clone : MA454)

<b>Clonality :</b>	Monoclonal
<b>Clone Name :</b>	MA454
<b>Application :</b>	IHC
<b>Reactivity :</b>	Human, Rat
<b>Gene :</b>	MAGEA1
<b>Gene ID :</b>	4100
<b>Uniprot ID :</b>	P43355
<b>Format :</b>	Purified
<b>Alternative Name :</b>	MAGEA1,MAGE1,MAGE1A
<b>Isotype :</b>	Mouse IgG1, kappa
<b>Immunogen Information :</b>	Human MAGE-A1 full length recombinant protein

#### Description

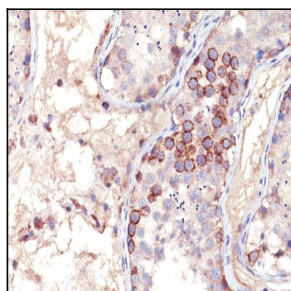
Recognizes a protein of 42-46kDa, identified as MAGE-1. This MAb does not cross-react with MAGE-2, -3, -4, -6 -9, -10, -or -12 protein. Human malignant neoplasms carry rejection antigens that are recognized by the patients' autologous, tumor directed and specific, cytolytic, CD8+ T lymphocyte clones (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.

#### Product Info

<b>Amount :</b>	100 µg
<b>Purification :</b>	Affinity Chromatography
<b>Content :</b>	100 µg in 500 µl PBS containing 0.05% BSA and 0.05% sodium azide. Sodium azide is highly toxic.
<b>Storage condition :</b>	Store the antibody at 4°C; stable for 6 months. For long-term storage; store at -20°C. Avoid repeated freeze and thaw cycles.

#### Application Note

Immunohistochemistry (Formalin-fixed) (1-2ug/ml for 30 minutes 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);



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