

## 36-2738: Anti-Melanoma Antigen Family A, 4 / MAGEA4 Monoclonal Antibody(Clone: CPTC-MAGEA4-1)

<b>Clonality :</b>	Monoclonal
<b>Clone Name :</b>	CPTC-MAGEA4-1
<b>Application :</b>	IHC
<b>Reactivity :</b>	Human
<b>Gene :</b>	MAGEA4
<b>Gene ID :</b>	4103
<b>Uniprot ID :</b>	P43358
<b>Alternative Name :</b>	CT1.4; MAGE-41; MAGE-X2; MAGE4; MAGE4A; MAGE4B; cancer/testis antigen 1.4; Melanoma-associated antigen 4
<b>Isotype :</b>	Mouse IgG2c, kappa
<b>Immunogen Information :</b>	Recombinant full-length human MAGEA4 protein

### Description

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.

### Product Info

<b>Amount :</b>	20 µg / 100 µg
<b>Content :</b>	200 µg/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.
<b>Storage condition :</b>	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.

### Application Note

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

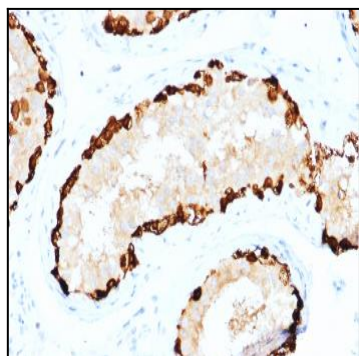


Fig. 1: Formalin-fixed, paraffin-embedded human Testis stained with MAGEA4 Mouse Monoclonal Antibody (CPTC-MAGEA4-1).

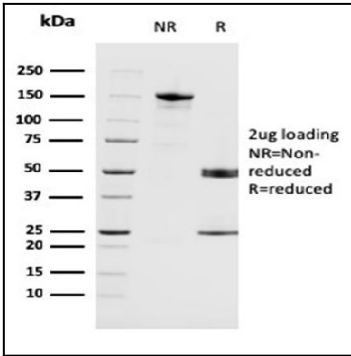


Fig. 2: SDS-PAGE Analysis Purified MAGEA4 Mouse Monoclonal Antibody (CPTC-MAGEA4-1). Confirmation of Purity and Integrity of Antibody

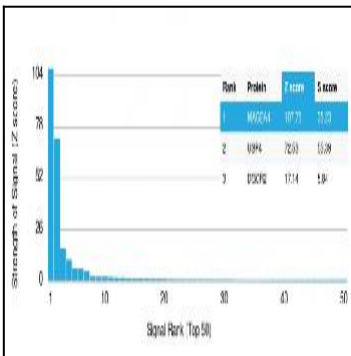


Fig. 3: Analysis of Protein Array containing more than 19,000 full-length human proteins using MAGEA4 Mouse Monoclonal Antibody (CPTC-MAGEA4-1). Z- and S-Score: The Z-score represents the strength of a signal that a monoclonal antibody (Monoclonal Antibody) (in combination with a fluorescently-tagged 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 Monoclonal Antibody to its intended target. A Monoclonal Antibody is considered to be specific to its intended target, if the Monoclonal Antibody has an S-score of at least 2.5. For example, if a Monoclonal Antibody 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 Monoclonal Antibody to protein X is equal to 29.