

## **MAGEA4 Antibody (monoclonal) (M01)**

Mouse monoclonal antibody raised against a partial recombinant MAGEA4.

Catalog # AT2762a

### **Specification**

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#### **MAGEA4 Antibody (monoclonal) (M01) - Product Information**

Application	IF, WB, E
Primary Accession	<a href="#">P43358</a>
Other Accession	<a href="#">NM_002362</a>
Reactivity	Human
Host	mouse
Clonality	Monoclonal
Isotype	IgG2b Kappa
Calculated MW	34899

#### **MAGEA4 Antibody (monoclonal) (M01) - Additional Information**

**Gene ID** 4103

##### **Other Names**

Melanoma-associated antigen 4, Cancer/testis antigen 14, CT14, MAGE-4 antigen, MAGE-41 antigen, MAGE-X2 antigen, MAGEA4, MAGE4

##### **Target/Specificity**

MAGEA4 (NP\_002353, 98 a.a. ~ 171 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

##### **Dilution**

WB~~1:500~1000

##### **Format**

Clear, colorless solution in phosphate buffered saline, pH 7.2 .

##### **Storage**

Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

##### **Precautions**

MAGEA4 Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

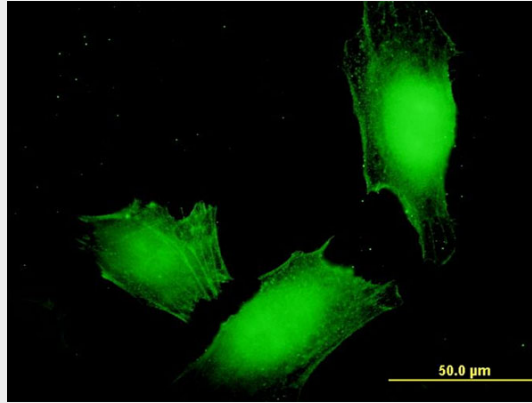
#### **MAGEA4 Antibody (monoclonal) (M01) - Protocols**

Provided below are standard protocols that you may find useful for product applications.

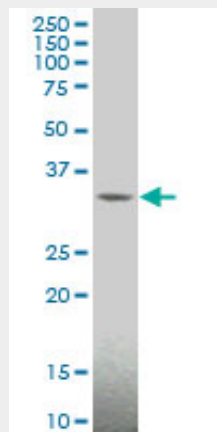
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)

- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

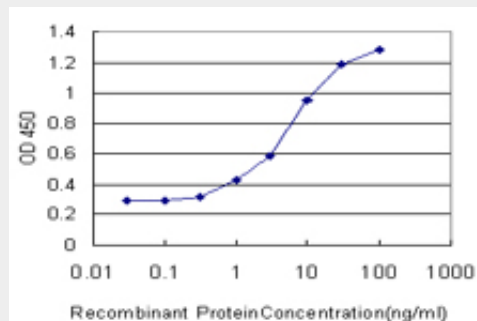
**MAGEA4 Antibody (monoclonal) (M01) - Images**



Immunofluorescence of monoclonal antibody to MAGEA4 on HeLa cell. [antibody concentration 10 ug/ml]



MAGEA4 monoclonal antibody (M01), clone 3D12 Western Blot analysis of MAGEA4 expression in HeLa S3 NE ( Cat # L013V3 ).



Detection limit for recombinant GST tagged MAGEA4 is approximately 0.3ng/ml as a capture antibody.

**MAGEA4 Antibody (monoclonal) (M01) - Background**

This gene is a member of the MAGEA gene family. The members of this family encode proteins with 50 to 80% sequence identity to each other. The promoters and first exons of the MAGEA genes show considerable variability, suggesting that the existence of this gene family enables the same function to be expressed under different transcriptional controls. The MAGEA genes are clustered at chromosomal location Xq28. They have been implicated in some hereditary disorders, such as dyskeratosis congenita. At least four variants encoding the same protein have been found for this gene.

#### **MAGEA4 Antibody (monoclonal) (M01) - References**

1. Heteroclitic serological response in esophageal and prostate cancer patients after NY-ESO-1 protein vaccination. Kawada J, Wada H, Isobe M, Gnjatic S, Nishikawa H, Jungbluth AA, Okazaki N, Uenaka A, Nakamura Y, Fujiwara S, Mizuno N, Saika T, Ritter E, Yamasaki M, Miyata H, Ritter G, Murphy R, Venhaus R, Pan L, Old LJ, Doki Y, Nakayama E. *Int J Cancer*. 2011 Mar 16. doi: 10.1002/ijc.26074. [Epub ahead of print]