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MAGEA4 Antibody (monoclonal) (M01)

Mouse monoclonal antibody raised against a partial recombinant MAGEA4.
Catalog # AT2762a

Product Information

Application	WB, IF, E
Primary Accession	P43358
Other Accession	NM_002362
Reactivity	Human
Host	mouse
Clonality	monoclonal
Isotype	IgG2b Kappa
Clone Names	3D12
Calculated MW	34899

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 IF~~1:50~200 E~~N/A
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.

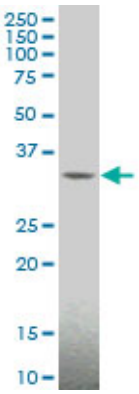
Background

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.

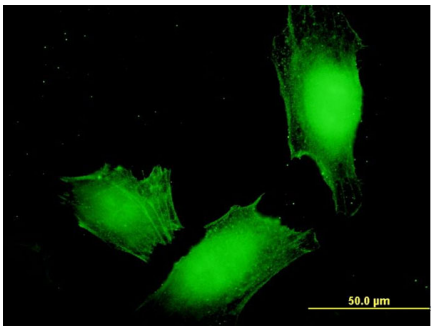
References

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]

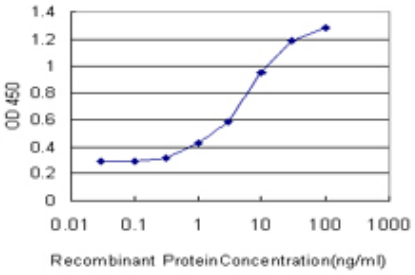
Images



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



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



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

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.