

MAGE1 Monoclonal Antibody (6C1)

Catalog Number35-6300

Product data sheet

Details		Species Reactivity	
Size	100 µg	Species reactivity	Human
Host/Isotope	Mouse / IgG2a	Published species	Dog, Human, Not Applicable
Class	Monoclonal	Tested Applications	
Type	Antibody	ELISA (ELISA)	Dilution *Assay-dependent
Clone	6C1	Immunohistochemistry (Frozen) (IHC (F))	Assay-dependent
Immunogen	Full-length recombinant human MAGE-A.	Immunoprecipitation (IP)	Assay-dependent
Conjugate	Unconjugated	Western Blot (WB)	Assay-dependent
Form	Liquid	Published Applications	
Concentration	0.5 mg/mL	Immunohistochemistry (IHC)	See 1 publications below
Purification	Protein A	Western Blot (WB)	See 2 publications below
Storage buffer	PBS, pH 7.4	* Suggested working dilutions are given as a guide only. It is recommended that the user titrate the product for use in their own experiment using appropriate negative and positive controls.	
Contains	0.1% sodium azide		
Storage Conditions	-20°C		

Background/Target Information

Human malignant neoplasms carry rejection antigens that are recognized by the patients' autologous, tumor directed and specific, cytolytic, CD8+ T lymphocyte clones (CTL). An important group of antigens is coded by the MAGE family of genes. It was identified that melanoma associated with antigens (MAAs). Because MAGE-1 is expressed on a significant proportion of human neoplasms of various hisological tyoes (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.

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PubMed References For MAGE1 Monoclonal Antibody (6C1)

1 Immunohistochemistry References

Species / Dilution	Summary
Human / Not Cited	International journal of cancer (2006; 118: 123) "Heterogeneous expression of GAGE, NY-ESO-1, MAGE-A and SSX proteins in esophageal cancer: Implications for immunotherapy." Author(s):Akcanat A,Kanda T,Tanabe T,Komukai S,Yajima K,Nakagawa S,Ohashi M,Hatakeyama K PubMed Article URL: http://dx.doi.org/10.1002/ijc.21219

2 Western Blot References

Species / Dilution	Summary
	35-6300 was used in western blot to investigate the role of CT16 in melanoma cell survival
Not Applicable / 1:250	PloS one (2013; 7:) "Melanoma-associated cancer-testis antigen 16 (CT16) regulates the expression of apoptotic and antiapoptotic genes and promotes cell survival." Author(s):Nylund C,Rappu P,Pakula E,Heino A,Laato L,Elo LL,Vihinen P,Pyrhönen S,Owen GR,Larjava H,Kallajoki M,Heino J PubMed Article URL: http://dx.doi.org/10.1371/journal.pone.0045382
Human / 1:500	Anticancer research (2005; 25: 2105) "Expression of family A melanoma antigen in human gastric carcinoma." Author(s):Jung EJ,Kim MA,Lee HS,Yang HK,Lee YM,Lee BL,Kim WH PubMed Article URL: http://www.ncbi.nlm.nih.gov/pubmed/16158951

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