

Monoclonal Antibody to MAGE-1 - Purified

Alternate names:	DM3125, MAGE1
Catalog No.:	AM00298PU-N
Quantity:	0.1 mg
Concentration:	0.2 mg/ml
Background:	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 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, nonsmall 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.
Host / Isotype:	Mouse / IgG2a
Recommended Isotype Controls:	AM03096PU-N
Clone:	E22-11B2-E9
Immunogen:	Full length recombinant human MAGE-1 protein. AA Sequence: 37-44 Remarks: Mol. Wt. of Antigen: 42-46 kDa
Format:	State: Liquid ascites fluid Purification: Protein A chromatography Buffer System: 10 mM PBS, pH 7.4, with 0.2 % BSA and 0.09 % sodium azide.
Applications:	Western Blotting: Ab 1-2µg/ml for 2hrs at RT. Recommended positive control: Colo32 Cells. Not suitable for Immunohistology. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Specificity:	This antibody detects MAGE-1. Cellular Localization: Cytoplasmic. Species: Human. Other species not tested.
Storage:	Store the antibody at 2 - 8 °C for one month or in aliquots at -20 °C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.
General Readings:	1. van der Bruggen P et al. Science 1991;254(5038):1643-7.