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36-1414: Monoclonal Antibody to MAGE-1 (Target for Cancer Immunotherapy)(Clone: MZ2E/838)

Clonality: Monoclonal MZ2E/838 Clone Name: Application: FACS.IF.IHC Reactivity: Human Gene: MAGEA1 Gene ID: 4100 **Uniprot ID:** P43355 Format: Purified

Alternative Name: MAGEA1,MAGE1,MAGE1A

Isotype: Mouse IgG1, kappa

Immunogen Information: Recombinant human MAGEA1 protein

Description

Recognizes a protein of 42-46kDa, identified as MAGE-1. This MAb does not cross-react with other members of MAGE-family. Human malignant neoplasms carry rejection antigens that are recognized by the patients' autologous, tumor directed and specific, cytolytic, CD8+ T lymphocyte clones (CTL). The MAGE family of genes codes an important group of antigens. 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, 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.

Product Info

Amount : 100 μg

Purification: Affinity Chromatography

Content: 100 μg in 500 μl PBS containing 0.05% BSA and 0.05% sodium azide. Sodium azide is highly

toxic.

Storage condition:

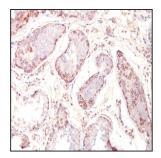
Storage condition:

Store the antibody at 4°C; stable for 6 months. For long-term storage; store at -20°C. Avoid

repeated freeze and thaw cycles.

Application Note

Flow Cytometry (1-2ug/million cells); Immunofluorescence (1-2ug/ml); Immunohistochemistry (Formalin-fixed) (1-2ug/ml for 30 minutes 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);



Formalin-fixed, paraffin-embedded human Testicular Carcinoma stained with MAGE-1 Monoclonal Antibody (MZ2E/838).