

MAGE-1 Human Recombinant Protein

Product Specifications

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| Catalog Number: | 908-287 |
| Source: | Recombinant full length human MAGE-1 protein expressed in <i>E.coli</i> with GST tag. |
| Application Notes: <i>The optimal dilution for a specific application must be determined by the investigator</i> | ELISA: Yes Activity Assays: Yes WB Control: Yes |
| Molecular Weight: | ~61 kDa including GST tag |
| Purity: | Glutathione sepharose affinity purified |
| Format: | 50 mM Tris-Acetate, pH 7.5, 1 mM EDTA, 20% Glycerol |
| Concentration: | See product label |
| Storage: <i>Shipping conditions may differ from the recommended storage temperature</i> | Store at -20°C to -80°C |
| Related Products: | |
| SAB-100 | Goat anti-Mouse IgG(Fab) Polyclonal Antibody, HRP Conjugate |
| SAB-101 | Goat anti-Mouse IgG Polyclonal Antibody, AP Conjugate |
| 905-458 | MART-1 Polyclonal Antibody |
| 905-607 | Tyrosinase Polyclonal Antibody |
| 908-278 | Tyrosinase Recombinant Protein |

Background:

Human malignant neoplasms carry rejection antigens recognized by the patients' autologous, tumor directed and specific, cytolytic, CD8+ T lymphocyte clones (CTL). An important group of antigens coded by the MAGE family of genes includes common melanoma associated antigens (MAAs) expressed by melanomas and primary glial brain tumors^{1,2}. Because MAGE-1 expression occurs in 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, and renal cell carcinomas) but not on normal tissues, the encoded antigen may serve as a marker of early detection and target for cancer immunotherapy.

References:

1. Barrow, C., et al. (2006) Clin Cancer Res. **12**, 764-771.
2. Hodi, F.S. (2006) Clin Cancer Res. **12**, 673-678.

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