**BACKGROUND**

Several tumor-associated antigen families, such as MAGE, GAGE, PRAME and BAGE, are of particular interest in tumor immunology because their expression, with exception of testis and fetal tissues, seems to be restricted to tumor cells. The MAGE, BAGE and GAGE genes code for distinct antigens that are recognized by autologous cytolytic T lymphocytes. Many of these antigens represent suitable targets for tumor immunotherapy, since their expression in human melanoma cells is common and highly specific. PRAME (preferentially expressed antigen of melanoma) is a melanoma antigen recognized by cytotoxic T cells (CTLs) and is expressed in a variety of cancer cells, including leukemic cells. The PRAME gene is expressed at a high level in a very large fraction of tumors, such as melanomas, non-small-cell lung carcinomas, sarcomas, head and neck tumors and renal carcinomas. Therefore, PRAME is a candidate for tumor immunotherapy, even though it is expressed at low levels in certain normal tissues.

**REFERENCES**


**CHROMOSOMAL LOCATION**

Genetic locus: PRAME (human) mapping to 22q11.22.

**SOURCE**

PRAME (D-12) is a mouse monoclonal antibody raised against amino acids 126-205 mapping within an internal region of PRAME of human origin.

**PRODUCT**

Each vial contains 200 µg IgG2a kappa light chain in 1.0 ml of PBS with <0.1% sodium azide and 0.1% gelatin.

PRAME (D-12) is available conjugated to agarose (sc-166480 AC), 500 µg/0.25 ml agarose in 1 ml, for IP; to HRP (sc-166480 HRP), 200 µg/ml, for WB, IHC(P) and ELISA; to either phycoerythrin (sc-166480 PE), fluorescein (sc-166480 FITC), Alexa Fluor® 488 (sc-166480 AF488), Alexa Fluor® 546 (sc-166480 AF546), Alexa Fluor® 594 (sc-166480 AF594) or Alexa Fluor® 647 (sc-166480 AF647), 200 µg/ml, for WB (RGB), IF, IHC(P) and FCM; and to either Alexa Fluor® 680 (sc-166480 AF680) or Alexa Fluor® 790 (sc-166480 AF790), 200 µg/ml, for Near-Infrared (NIR) WB, IF and FCM.

**APPLICATIONS**

PRAME (D-12) is recommended for detection of PRAME of human origin by Western Blotting (starting dilution 1:100, dilution range 1:100-1:1000), immunoprecipitation [1-2 µg per 100-500 µg of total protein (1 ml of cell lysate)], immunofluorescence (starting dilution 1:50, dilution range 1:50-1:500) and solid phase ELISA (starting dilution 1:30, dilution range 1:30-1:300).

Suitable for use as control antibody for PRAME siRNA (h): sc-37322, PRAME shRNA Plasmid (h): sc-37322-SH and PRAME shRNA (h) Lentiviral Particles: sc-37322-V.

Molecular Weight of PRAME: 58 kDa.

Positive Controls: PRAME (h): 293T Lysate; sc-115478.

**RECOMMENDED SUPPORT REAGENTS**

To ensure optimal results, the following support reagents are recommended:

**DATA**

See our web site at www.scbt.com for detailed protocols and support products.

**STORAGE**

Store at 4° C, **DO NOT FREEZE**. Stable for one year from the date of shipment. Non-hazardous. No MSDS required.

**RESEARCH USE**

For research use only, not for use in diagnostic procedures.

**PROTOCOLS**

See our web site at www.scbt.com for detailed protocols and support products.