van Baren, N., et al. 1998. PRAME, a gene encoding an antigen recognized by autologous cytolytic T lymphocytes. 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-166490 AF546), Alexa Fluor® 594 (sc-166490 AF594) or Alexa Fluor® 647 (sc-166490 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 1:30-1:3000).

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.

**RECOMMENDED SUPPORT REAGENTS**

To ensure optimal results, the following support reagents are recommended: 1) Western Blotting: use m-IgG HRP: sc-516102 or m-IgG HRP (Cruz Marker): sc-516102-CM (dilution range: 1:1000-1:10000), Cruz Marker™ Molecular Weight Standards: sc-2035, UltraCruz® Blocking Reagent: sc-516214 and Western Blotting Luminol Reagent: sc-2048. 2) Immunoprecipitation: use Protein A/G PLUS-Agarose: sc-2003 (0.5 ml agarose/2.0 ml). 3) Immunofluorescence: use m-IgG HRP-PE: sc-516140 or m-IgG HRP-PE: sc-516141 (dilution range: 1:50-1:200) with UltraCruz® Mounting Medium: sc-24941 or UltraCruz® Hard-set Mounting Medium: sc-359850.

**DATA**

**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.