

MAGE-B1 (h): 293T Lysate: sc-113270

BACKGROUND

The melanoma-associated antigen (MAGE) family consists of a number of antigens recognized by cytotoxic T lymphocytes. The MAGE genes were initially isolated from different kinds of tumors, and based on their virtually exclusive tumor-specific expression in adult tissues, they have been used as targets for cancer immunotherapy. MAGE genes encode for tumor-rejection antigens and are expressed in tumors of different histologic types, but not in normal tissues, with the exception of testis and placenta. Although a large number of MAGE genes have now been identified and extensively studied in tumors of various origin, their function in normal cells remains unknown.

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CHROMOSOMAL LOCATION

Genetic locus: MAGEB1 (human) mapping to Xp21.2.

PRODUCT

MAGE-B1 (h): 293T Lysate represents a lysate of human MAGE-B1 transfected 293T cells and is provided as 100 µg protein in 200 µl SDS-PAGE buffer.

RESEARCH USE

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

APPLICATIONS

MAGE-B1 (h): 293T Lysate is suitable as a Western Blotting positive control for human reactive MAGE-B1 antibodies. Recommended use: 10-20 µl per lane.

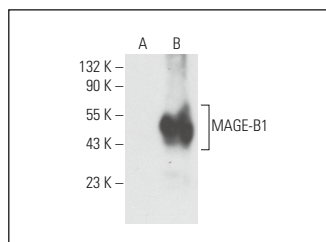
Control 293T Lysate: sc-117752 is available as a Western Blotting negative control lysate derived from non-transfected 293T cells.

MAGE-B1 (B-9): sc-166954 is recommended as a positive control antibody for Western Blot analysis of enhanced human MAGE-B1 expression in MAGE-B1 transfected 293T cells (starting dilution 1:100, dilution range 1:100-1:1,000).

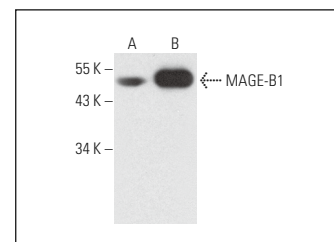
RECOMMENDED SUPPORT REAGENTS

To ensure optimal results, the following support reagents are recommended: 1) Western Blotting: use m-IgGκ BP-HRP: sc-516102 or m-IgGκ BP-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.

DATA



MAGE-B1 (B-9): sc-166954. Western blot analysis of MAGE-B1 expression in non-transfected: sc-117752 (A) and human MAGE-B1 transfected: sc-113270 (B) 293T whole cell lysates.



MAGE-B1 (B-4): sc-271008. Western blot analysis of MAGE-B1 expression in non-transfected: sc-117752 (A) and human MAGE-B1 transfected: sc-113270 (B) 293T whole cell lysates.

STORAGE

Store at -20° C. Repeated freezing and thawing should be minimized. Sample vial should be boiled once prior to use. Non-hazardous. No MSDS required.

PROTOCOLS

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