

BAGE (R-15): sc-19086

BACKGROUND

Members of the BAGE gene family encode antigens that are recognized by cytotoxic T lymphocytes and are also known as CT (cancer/testis) antigens. Generated by juxtacentromeric shuffling of the MLL3 gene, the ancestral BAGE gene was expanded by acrocentric exchanges and/or juxtacentromeric movements. BAGE, also known as B melanoma antigen 1 or cancer/testis antigen 2.1, is a 43 amino acid member of the BAGE family. Generally, BAGE proteins are not expressed in normal tissues, except in testis, but are expressed highly in melanomas, bladder carcinomas, head and neck squamous cell carcinomas, and lung and breast cancer carcinomas. BAGE proteins are not expressed in renal, colorectal and prostatic carcinomas, leukemias and lymphomas.

REFERENCES

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STORAGE

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

PROTOCOLS

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

CHROMOSOMAL LOCATION

Genetic locus: BAGE (human) mapping to 21p11.1.

SOURCE

BAGE (R-15) is an affinity purified rabbit polyclonal antibody raised against a peptide mapping near the N-terminus of BAGE of human origin.

PRODUCT

Each vial contains 200 µg IgG in 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin.

Blocking peptide available for competition studies, sc-19086 P, (100 µg peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

APPLICATIONS

BAGE (R-15) is recommended for detection of BAGE, BAGE4 and BAGE5 of human origin by Western Blotting (starting dilution 1:200, dilution range 1:100-1:1000), 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).

Molecular Weight of BAGE: 5 kDa.

RECOMMENDED SECONDARY REAGENTS

To ensure optimal results, the following support (secondary) reagents are recommended: 1) Western Blotting: use goat anti-rabbit IgG-HRP: sc-2004 (dilution range: 1:2000-1:100,000) or Cruz Marker™ compatible goat anti-rabbit IgG-HRP: sc-2030 (dilution range: 1:2000-1:5000), Cruz Marker™ Molecular Weight Standards: sc-2035, TBS Blotto A Blocking Reagent: sc-2333 and Western Blotting Luminol Reagent: sc-2048. 2) Immunofluorescence: use goat anti-rabbit IgG-FITC: sc-2012 (dilution range: 1:100-1:400) or goat anti-rabbit IgG-TR: sc-2780 (dilution range: 1:100-1:400) with UltraCruz™ Mounting Medium: sc-24941.

RESEARCH USE

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