BACKGROUND

RT1-A refers to the rat class I major histocompatibility (MHC I) molecules. RT1-A molecules, which consist of class Ia and class Ib molecules, are integral parts of the immune response and present nonself peptides on the cell surface for recognition by cytotoxic T-lymphocytes (CTLs). They are composed of two polypeptide chains, an α or heavy chain, and β-2-Microglobulin, a non-covalently associated protein. Cytotoxic T lymphocytes bind antigenic peptides presented by RT1-A molecules. Antigens that bind to RT1-A molecules are typically 8-10 residues in length and are stabilized in a peptide binding groove.

REFERENCES


SOURCE

RT1-A (MN4-91-6) is a mouse monoclonal antibody raised against full length native RT1-A of rat origin.

PRODUCT

Each vial contains 200 µg IgG1 in 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin.

APPLICATIONS

RT1-A (MN4-91-6) is recommended for detection of RT1-A of rat origin by flow cytometry (1 µg per 1 x 10^6 cells) and solid phase ELISA (starting dilution 1:30, dilution range 1:30-1:3000).

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 or our catalog for detailed protocols and support products.