

## RT1-A (3H2685): sc-71974

### 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  $\alpha$  or heavy chain, and  $\beta$ -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

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### SOURCE

RT1-A (3H2685) is a rat monoclonal antibody raised against DA lymphoid cells of rat origin.

### RESEARCH USE

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

### PRODUCT

Each vial contains 5 ml culture supernatant containing IgG<sub>2a</sub> with < 0.1% sodium azide.

### APPLICATIONS

RT1-A (3H2685) is recommended for detection of RT1-A of mouse and rat origin by flow cytometry (10-20  $\mu$ l per 1 x 10<sup>6</sup> cells).

### STORAGE

For immediate and continuous use, store at 4° C for up to one month. For sporadic use, freeze in working aliquots in order to avoid repeated freeze/thaw cycles. If turbidity is evident upon prolonged storage, clarify solution by centrifugation.

### PROTOCOLS

See our web site at [www.scbt.com](http://www.scbt.com) for detailed protocols and support products.