BACKGROUND

Cyclosporin A, also known as CsA, is a compound that is isolated from the fungus Tolypocladium inflatum. Discovery of Cyclosporin A in 1971 marked the beginning of a new era in immunopharmacology. Cyclosporin A was the first immunosuppressive drug that enabled selective immunoregulation of T cells without excessive toxicity. Cyclosporin A is widely used in organ transplant surgery to reduce the risk of organ rejection. Specifically, Cyclosporin A blocks the activity of calcineurin, thus preventing the transcription of IL-2 and reducing the activity of the immune system. In addition, Cyclosporin A inhibits the opening of permeability-transit pores within the mitochondrion, allowing it to function as a neuroprotective agent that can reduce the amount of damage associated with head trauma and neurodegenerative diseases.

REFERENCES


SOURCE

Cyclosporin A (9E10) is a mouse monoclonal antibody raised against Cyclosporin A of fungal origin.

PRODUCT

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

APPLICATIONS

Cyclosporin A (9E10) is recommended for detection of Cyclosporin A by 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 website at www.scbt.com for detailed protocols and support products.