

HTLV-1 Tax Monoclonal Antibody

ORDERING INFORMATION

Catalog No.: 90016 (clone 1A3))
Format: 100ug, Protein A-purified, lyophilized, 0.1M Tris, 0.1M glycine, 2% sucrose, 1mg/ml.

BACKGROUND

The nonstructural regulatory Tax proteins are unique characteristics of delta retroviruses, a subgroup of retroviruses, which confers long-term persistent infection to mammalian lymphocytes. These proteins are crucial for productive viral replication, and they stimulate the proliferation of host lymphocytic cells. Tax has been shown to be oncogenic because it transforms and immortalizes rodent fibroblasts and human T-lymphocytes. Tax also stimulates cell growth by direct binding to cyclin-dependent kinase holenzymes and/or inactivating tumor suppressors (e.g. p53, DLG). Moreover, Tax silences cellular checkpoints, which guard against DNA structural damage and chromosomal missegregation, thereby favoring the manifestation of a mutator phenotype in cells.

SPECIFICATION SUMMARY

Antigen: Recombinant full-length HTLV- Tax protein.
Host species: Mouse.
Antibody Class: IgG2a.
Preservative: None.

SPECIFICITY

This antibody reacts with HTLV-1 Tax expressed in transiently transfected cells.

APPLICATIONS

ELISA: use at 0.1-1.0ug/ml.
Immunoblotting: use at 2-10ug/ml. A band of ~42kDa is detected.
Immunohistochemistry: use at 2-20ug/ml.
These are recommended concentrations. Enduser should determine optimal concentrations for their applications.

RECONSTITUTION

Reconstitute in distilled water.

STORAGE AND STABILITY

This product is stable for at least one (1) year at -20°C to -70°C. Reconstituted product should be stored in appropriate aliquots to avoid repeated freeze-thaw cycles.

For in vitro investigational use only. Not for use in therapeutic or diagnostic procedures.