

MONOCLONAL ANTIBODIES

ANTI-HTLV-I gp 46

Clone 65/6C2.2.34

ZMC Catalog #: 0802004 **Unit Size:** 100 µg

ZMC Catalog #: 0801094 **Unit Size:** 1 mg

PRODUCT CHARACTERISTICS

This murine monoclonal antibody reacts with Human T-Lymphotropic Virus Type I (HTLV-I) surface protein, gp46. The epitope is located between amino acids 210-306 of the viral env gene. Cross-reactivity with the surface protein of HTLV-II (MoT) has been observed. The antibody is of the IgG₁ subclass and has been purified from serum-free culture supernatant by concentration and ammonium sulfate precipitation. The antibody is greater than 85% pure as determined using denaturing polyacrylamide gel electrophoresis. The antibody is supplied as purified immunoglobulin at a concentration of approximately 1 mg/ml in phosphate-buffered saline, pH 7.2. MONOCLONAL ANTIBODIES Anti-HTLV-I gp46 (clone 65/6C2.2.34) exhibits reactivity with viral lysates using solid-phase enzyme immunoassay and immunoblotting. It also reacts with HTLV-I infected cell lines using indirect immunofluorescence. The antibody immunoprecipitates gp46 surface protein from radiolabeled cell lysates, as well as viral precursor protein.

RECOMMENDED USAGE

Antibody dilutions should be prepared using buffers containing suitable protein in order to stabilize antibody activity. The antibody is used to detect HTLV-I surface protein and its precursor in lysates prepared from virions or infected cells. Using immunoblotting and/or radioimmunoprecipitation analysis, the biosynthesis and metabolism of viral surface protein may be studied.

STORAGE

Aliquot and store at -20°C.

1004156

Rev.: 04/00

All products are for Research Use Only and not for *in vitro* Diagnostic Use

This Package Insert is provided for product evaluation purposes only and is not intended to be used in place of the Package Insert shipped with the product.