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**Antibody to HTLV-1 TAX
MOUSE MONOCLONAL**

Catalog Number: AB-582
Quantity: 500 micrograms, 1 milligram
Format: Lyophilized
Host: Mouse
Isotype: IgG2a
Clone: YRHTLV-1tax
Immunogen: recombinant HTLV TAX protein

Background:

HTLV-1 is the etiological agent for adult T-cell leukemia, encoding the 40 kDa cell-transforming oncoprotein Tax. Tax protein sensitizes cells to apoptotic cell death induced by DNA damaging agents. Constitutive activation of TAK1 by HTLV-1 Tax-dependent overexpression of TAB2 induces activation of JNK-ATF2 but not IKK-NF-kB.

Specificity and Preparation:

Anti-HTLV-1 TAX is purified by ion-exchange chromatography. The titer is determined by direct ELISA, a 1:50,000 dilution will yield an OD of 0.5 using an alkaline phosphatase secondary antibody.

Usage and Storage:

Reported to be effective for ELISA, immunoblotting (western blot), immunoprecipitation. Store lyophilized material at 4°C in a dry environment. Reconstitute with H₂O. Gently spin down material before use; 5-10 seconds in a microfuge should be adequate. After reconstitution, if not intended for use within a month, aliquot and store at -20°C. Material is stable one month in solution at 4°C, two years lyophilized. Antibody is shipped lyophilized at ambient temperature.

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