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Antibody to Mouse CTLA-4 (CD152)
HAMSTER MONOCLONAL

Catalog Number: AB-436
Quantity: 500 micrograms, 1 milligram
Format: Lyophilized
Host: Hamster
Isotype: IgG
Clone: RYNmCTLA-4
Immunogen: mixture of mouse activated T cells

Background:

CTLA-4 is a member of the immunoglobulin superfamily and encodes a protein which transmits an inhibitory signal to T cells. The protein contains a V domain, a transmembrane domain, and a cytoplasmic tail. Alternate transcriptional splice variants, encoding different isoforms, have been characterized. The membrane-bound isoform functions as a homodimer interconnected by a disulfide bond, while the soluble isoform functions as a monomer. Mutations in this gene have been associated with insulin-dependent diabetes mellitus, Graves disease, Hashimoto thyroiditis, celiac disease, systemic lupus erythematosus, thyroid-associated orbitopathy, and other autoimmune diseases.

Specificity and Preparation:

Anti-mouse CTLA-4 is purified by ion exchange chromatography. Protein concentration is 1 mg/ml in PBS (after reconstitution). The antibody is only available as a purified antibody.

Usage and Storage:

Reported to be effective for blocking and staining.

Reconstitute with H₂O. Gently spin down material before use; 5-10 seconds in a microfuge should be adequate. In lyophilized form, store at 4°C. After reconstitution, if not intended for use within a month, aliquot and store at -20°C. Material is stable two years lyophilized, one month in solution at 4°C.

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