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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:**

Applications include blocking and staining.

Reconstitute with H<sub>2</sub>O. Mix gently, wash the sides of the vial and wait 30-60 seconds before use.

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.