

Product Data Sheet

Cat # AB-11610 Hamster Anti-Mouse CTLA-4 (CD152) IgG Size: 100 ug

Synonyms:

GSE, CD152, IDDM12, CELIAC3, CTLA-4.

Type:

Hamster Anti Mouse Monoclonal

Introduction:

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.

Clone:

RYNmCTLA-4

Immunogen:

mixture of mouse activated T cells

Ig Subclass:

Hamster IgG

Purification Method:

Ion exchange column

Protein concentration:

1mg/ml in PBS (after reconstitution)

Storage Procedures:

Lyophilized: store at 4°C. After reconstitution, if not intended for use within a month, aliquot and store at -20°C.

Reconstitution:

Reconstitute with of H2O. Mix gently, wash the sides of the vial and wait 30-60 seconds before use.

Stability / Shelf Life:

Two years lyophilized, one month in solution at 4°C.

Antibody Properties:

Blocking and staining antibody. For staining, use for blocking CTLA-4 function should be determined by the investigator.

Available Conjugates:

This antibody is only available as purified antibody.

Usage:

This item is for LABORATORY RESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals. If supplied in powder then reconstitute it in 100 ul water for 1 mg/ml stock and store in liquid at 4°C for ~1 week or aliquots in suitable size and store at -20°C for long term storage..

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