

Hamster Anti-CTLA4 Monoclonal Antibody

Cat. No. DMABT-H18898 **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Hamster Anti-CTLA4 Monoclonal Antibody
Species	Mouse
Source	Hamster
Antigen Description	CD152, also known as CTLA-4 or Ly-56, is a 44kD member of the immunoglobulin superfamily. It is expressed on activated T and B lymphocytes. CD152 is similar to CD28 in amino acid sequence, structure, and genomic organization and these two receptors share common B7 family counter-receptors (B7-1, B7-2). Whereas CD28 delivers a costimulatory signal in T cell activation, CTLA-4 negatively regulates cell-mediated immune responses. CD152 is thought to play a role in the induction and maintenance of immunological tolerance as well as the development of protective immunity and thymocyte regulation.
Target	CTLA4
Immunogen	Mouse CTLA-4-mouse IgG2a fusion protein
Isotype	IgG
species	Mouse
Clone	VD20-5C0

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Conjugation	APC
Applications	Flow Cyt
Preparation	The antibody was purified by affinity chromatography, and conjugated with APC under optimal conditions. The solution is free of unconjugated APC and unconjugated antibody.
Usage recommendation	Each lot of this antibody is quality control tested by immunofluorescent staining with flow cytometric analysis. For immunofluorescent staining, the suggested use of this reagent is ≤ 1.0 μ g per million cells in 100 μ l volume. It is recommended that the reagent be titrated for optimal performance for each application.
Concentration	0.2 mg/ml
Storage	The antibody solution should be stored undiluted at 4 °C and protected from prolonged exposure to light. Do not freeze.
Size	25 μ g; 100 μ g

GENE INFORMATION

Gene Name	Ctla4 cytotoxic T-lymphocyte-associated protein 4 [Mus musculus]
Official Symbol	CTLA4
Synonyms	CTLA4; cytotoxic T-lymphocyte-associated protein 4; cytotoxic T-lymphocyte protein 4; CD152 antigen; cytotoxic T-lymphocyte-associated antigen 4; Cd152; Ly-56; Ctla-4;
Gene ID	12477

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mRNA Refseq	NM_009843
Protein Refseq	NP_033973
Pathway	Adaptive Immune System, organism-specific biosystem; Autoimmune thyroid disease, organism-specific biosystem; Autoimmune thyroid disease, conserved biosystem; CTLA4 inhibitory signaling, organism-specific biosystem; Cell adhesion molecules (CAMs), organism-specific biosystem; Cell adhesion molecules (CAMs), conserved biosystem; Costimulation by the CD28 family, organism-specific biosystem;

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