



Rabbit Anti-Canine CTLA4 Polyclonal Antibody (CABT-NS1662)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Specificity	Canine CTLA-4/CD152
Target	CTLA4
Immunogen	Recombinant Canine CTLA-4/CD152 protein
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Canine
Conjugate	Unconjugated
Applications	<p>ELISA</p> <p>Recommended dilution:</p> <p>ELISA: 0.5-1.0 µg/mL.</p> <p>This antibody can be used at 0.5-1.0 µg/mL with the appropriate secondary reagents to detect Canine CTLA-4/CD152.</p> <p>The detection limit for Canine CTLA-4 / CD152 is <0.039 ng/well.</p> <p>Each laboratory should determine an optimum working titer for use in its particular application.</p> <p>Other applications have not been tested but use in such assays should not necessarily be excluded.</p>
Format	Liquid, Purified
Size	50 µl, 100 µl, 200 µl
Buffer	0.2 µm filtered solution in PBS with 5% trehalose
Preservative	None

Storage

This antibody can be stored at 2°C-8°C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20°C to -80°C. Preservative-Free. Sodium azide is recommended to avoid contamination (final concentration 0.05%-0.1%). It is toxic to cells and should be disposed of properly. Avoid repeated freeze-thaw cycles.

BACKGROUND

Introduction

Cytotoxic T-lymphocyte protein 4, also known as CTLA4 and CD152, is a single-pass type I membrane protein and a member of the immunoglobulin superfamily. It is the second member of the CD28 receptor family. The ligands or counterreceptors for these two proteins are the B7 family members, CD80 (B7-1) and CD86 (B7-2). CTLA4 transmits an inhibitory signal to T cells, whereas CD28 transmits a stimulatory signal. Intracellular CTLA4 is also found in regulatory T cells and may play an important role in their functions. CD152 or cytotoxic T lymphocyte antigen-4 (CTLA-4) is an essential receptor involved in the negative regulation of T cell activation. Because of its profound inhibitory role, CD152 has been considered a sound susceptible candidate in autoimmunity and a persuasive target for cancer immunotherapy. In particular, recent evidence suggests that CD152 is also important in the homeostasis and function of a population of suppressive cells, termed regulatory T cells (Treg).

Keywords

CTLA4; cytotoxic T-lymphocyte-associated protein 4; CD; GSE; GRD4; ALPS5; CD152; CTLA-4; IDDM12; CELIAC3; cytotoxic T-lymphocyte protein 4; CD152 isoform; celiac disease 3; insulin-dependent diabetes mellitus 12; cytotoxic T-lymphocyte-associated serine esterase-4; cytotoxic T lymphocyte associated antigen 4 short spliced form; ligand and transmembrane spliced cytotoxic T lymphocyte associated antigen 4;