

# CD152/CTLA-4 Rabbit pAb

Catalog No.: A13966

## Basic Information

### Observed MW

50kDa

### Calculated MW

25kDa

### Category

Primary antibody

### Applications

ELISA, WB

### Cross-Reactivity

Human

## Background

This gene 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.

## Recommended Dilutions

WB 1:500 - 1:2000

## Immunogen Information

### Gene ID

1493

### Swiss Prot

P16410

### Immunogen

A synthetic peptide corresponding to a sequence within amino acids 1-100 of human CD152/CTLA-4 (NP\_005205.2).

### Synonyms

CD; GSE; GRD4; ALPS5; CD152; CTLA-4; IDDM12; CELIAC3; CD152/CTLA-4

## Contact

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## Product Information

### Source

Rabbit

### Isotype

IgG

### Purification

Affinity purification

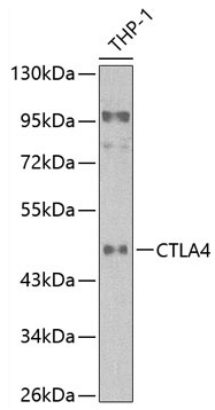
### Storage

Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH 7.3.

## Validation Data

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Western blot analysis of extracts of THP1 cells, using CD152/CTLA-4 antibody (A13966) at 1:1000 dilution.  
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.  
Lysates/proteins: 25µg per lane.  
Blocking buffer: 3% nonfat dry milk in TBST.