

CD272 Rabbit mAb

Catalog # AP75219

Specification

CD272 Rabbit mAb - Product Information

Application
Primary Accession
Reactivity
Host
Clonality
Calculated MW

WB, IHC-P, IP
O7TSA3
Human, Mouse
Rabbit
Monoclonal Antibody
34337

CD272 Rabbit mAb - Additional Information

Gene ID 208154

Other Names

Btla

DilutionWB~~1/500-1/1000
IHC-P~~N/A
IP~~1/20

Format

50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40%Glycerol, 0.01% sodium azide and 0.05% BSA.

Storage

Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.

CD272 Rabbit mAb - Protein Information

Name Btla {ECO:0000303|PubMed:12796776, ECO:0000312|MGI:MGI:2658978}

Function

Inhibitory receptor on lymphocytes that negatively regulates antigen receptor signaling via PTPN6/SHP-1 and PTPN11/SHP-2 (PubMed:12796776, PubMed:14652006). May interact in cis (on the same cell) or in trans (on other cells) with TNFRSF14 (PubMed:19915044). In cis interactions, appears to play an immune regulatory role inhibiting in trans interactions in naive T cells to maintain a resting state. In trans interactions, can predominate during adaptive immune response to provide survival signals to effector T cells (PubMed:19915044).

Cellular Location

Cell membrane; Single-pass type I membrane protein





Tissue Location

Expressed in splenic T- and B-cells as well as lymph node tissues but very weakly in somatic tissues. Also expressed in macrophages, NK cells and dendritic cells. A polymorphic tissue distribution between several strains is seen

CD272 Rabbit mAb - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- <u>Immunofluorescence</u>
- <u>Immunoprecipitation</u>
- Flow Cytomety
- Cell Culture

CD272 Rabbit mAb - Images







