10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

CD223 Polyclonal Antibody
Catalog # AP73663

Specification

CD223 Polyclonal Antibody - Product Information

Application	**WB**
Primary Accession	P18627
Reactivity	**Human**
Host	**Rabbit**
Clonality	**Polyclonal**

CD223 Polyclonal Antibody - Additional Information

Gene ID 3902

Other Names
LAG3; FDC; Lymphocyte activation gene 3 protein; LAG-3; Protein FDC; CD223

Dilution
WB~~Western Blot: 1/500 - 1/2000. ELISA: 1/20000. Not yet tested in other applications.

Format
Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.

Storage Conditions
-20℃

CD223 Polyclonal Antibody - Protein Information

Name LAG3 (HGNC:6476)

Synonyms FDC

Function
Lymphocyte activation gene 3 protein: Inhibitory receptor on antigen activated T-cells (PubMed:20421648, PubMed:7805750, PubMed:8647185). Delivers inhibitory signals upon binding to ligands, such as FGL1 (By similarity). FGL1 constitutes a major ligand of LAG3 and is responsible for LAG3 T-cell inhibitory function (By similarity). Following TCR engagement, LAG3 associates with CD3-TCR in the immunological synapse and directly inhibits T-cell activation (By similarity). May inhibit antigen-specific T-cell activation in synergy with PDCD1/PD-1, possibly by acting as a coreceptor for PDCD1/PD-1 (By similarity). Negatively regulates the proliferation, activation, effector function and homeostasis of both CD8(+) and CD4(+) T-cells (PubMed:20421648, PubMed:7805750, PubMed:8647185). Also mediates immune tolerance: constitutively expressed on a

subset of regulatory T-cells (Tregs) and contributes to their suppressive function (By similarity). Also acts as a negative regulator of plasmacytoid dendritic cell (pDCs) activation (By similarity). Binds MHC class II (MHC-II); the precise role of MHC-II-binding is however unclear (PubMed:8647185).

Cellular Location
[Lymphocyte activation gene 3 protein]: Cell membrane; Single-pass type I membrane protein

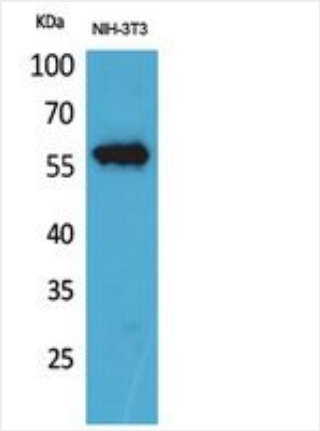
Tissue Location
Primarily expressed in activated T-cells and a subset of natural killer (NK) cells.

CD223 Polyclonal Antibody - Protocols

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

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

CD223 Polyclonal Antibody - Images



CD223 Polyclonal Antibody - Background

Involved in lymphocyte activation. Binds to HLA class-II antigens.