

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°C

CD223 Polyclonal Antibody - Protein InformationName LAG3 ([HGNC:6476](#))**Synonyms** FDC**Function**

Lymphocyte activation gene 3 protein: Inhibitory receptor on antigen activated T-cells (PubMed: [20421648](http://www.uniprot.org/citations/20421648), PubMed: [7805750](http://www.uniprot.org/citations/7805750), PubMed: [8647185](http://www.uniprot.org/citations/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](http://www.uniprot.org/citations/20421648), PubMed: [7805750](http://www.uniprot.org/citations/7805750), PubMed: [8647185](http://www.uniprot.org/citations/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

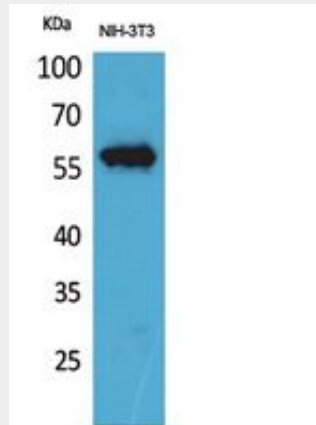
Primarily expressed in activated T-cells and a subset of natural killer (NK) cells.

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 Cytometry](#)
- [Cell Culture](#)

CD223 Polyclonal Antibody - Images



CD223 Polyclonal Antibody - Background

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