

**CD223 Antibody**  
**Rabbit mAb**  
**Catalog # AP93162****Specification**

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**CD223 Antibody - Product Information**

Application	IHC
Primary Accession	<a href="#">P18627</a>
Clonality	Monoclonal
<b>Other Names</b>	
CD223; Lag3; Lymphocyte activating 3; Protein FDC;	
Isotype	Rabbit IgG
Host	Rabbit
Calculated MW	57449 Da

**CD223 Antibody - Additional Information**

Dilution	IHC~~1:100~500
Purification	Affinity-chromatography
Immunogen	A synthesized peptide derived from human CD223
Description	Involved in lymphocyte activation. Binds to HLA class-II antigens.
Storage Condition and Buffer	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.

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

Lymphocyte activation gene 3 protein: Inhibitory receptor on antigen activated T-cells (PubMed:<a href="http://www.uniprot.org/citations/20421648" target="\_blank">20421648</a>, PubMed:<a href="http://www.uniprot.org/citations/7805750" target="\_blank">7805750</a>, PubMed:<a href="http://www.uniprot.org/citations/8647185" target="\_blank">8647185</a>). 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:<a href="http://www.uniprot.org/citations/20421648" target="\_blank">20421648</a>, PubMed:<a href="http://www.uniprot.org/citations/7805750" target="\_blank">7805750</a>).

target="\_blank">7805750</a>, PubMed:<a href="http://www.uniprot.org/citations/8647185" target="\_blank">8647185</a>). 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:<a href="http://www.uniprot.org/citations/8647185" target="\_blank">8647185</a>).

**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 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 Antibody - Images**