

Goat anti-LAG3 / CD223 Antibody
Peptide-affinity purified goat antibody
Catalog # AF4463a

Specification

Goat anti-LAG3 / CD223 Antibody - Product Information

| | |
|-------------------|-----------------------------|
| Application | WB, Pep-ELISA |
| Primary Accession | P18627 |
| Other Accession | NP_002277.4 |
| Reactivity | Human |
| Host | Goat |
| Clonality | Polyclonal |
| Calculated MW | 57449 |

Goat anti-LAG3 / CD223 Antibody - Additional Information

Gene ID 3902

Other Names

LAG3; lymphocyte activating 3; CD223; lymphocyte-activation gene 3

Format

Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin. Aliquot and store at -20°C. Minimize freezing and thawing.

Immunogen

This antibody is expected to recognize the extra-cellular domain.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

Goat anti-LAG3 / CD223 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Goat anti-LAG3 / CD223 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.

Goat anti-LAG3 / 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](#)

Goat anti-LAG3 / CD223 Antibody - Images