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Anti-LAG3 / CD223 Reference Antibody (miptenalimab)

Recombinant Antibody
Catalog # APR10646

Specification

Anti-LAG3 / CD223 Reference Antibody (miptenalimab) - Product Information

Application	**FC, E, FTA**
Primary Accession	P18627
Reactivity	**Human**
Clonality	**Monoclonal**
Isotype	**IgG4SP**
Calculated MW	**145.04 KDa**

Anti-LAG3 / CD223 Reference Antibody (miptenalimab) - Additional Information

Target/Specificity
LAG3 / CD223

Endotoxin
< 0.001EU/ μg,determined by LAL method.

Conjugation
Unconjugated

Expression system
CHO Cell

Format
Purified monoclonal antibody supplied in PBS, pH6.0, without preservative.This antibody is purified through a protein A column.

Anti-LAG3 / CD223 Reference Antibody (miptenalimab) - 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

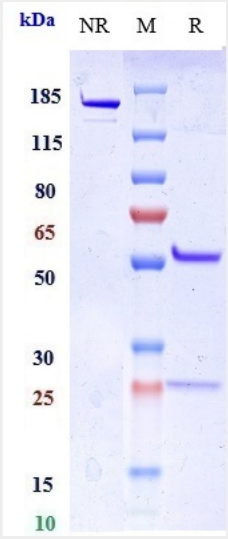
Tissue Location
Primarily expressed in activated T-cells and a subset of natural killer (NK) cells.

Anti-LAG3 / CD223 Reference Antibody (miptenalimab) - Protocols

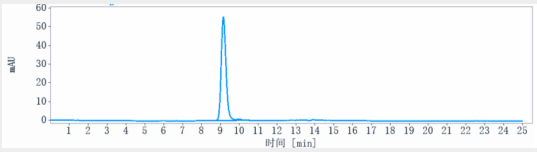
Provided below are standard protocols that you may find useful for product applications.

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

Anti-LAG3 / CD223 Reference Antibody (miptenalimab) - Images



Anti-LAG3 / CD223 Reference Antibody (miptenalimab) on SDS-PAGE under reducing (R) condition. The gel was stained with Coomassie Blue. The purity of the protein is greater than 95%



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The purity of Anti-LAG3 / CD223 Reference Antibody (miptenalimab)is more than 95% ,determined by SEC-HPLC.