

**LAG3**  
**Rabbit Monoclonal antibody(Mab)**  
**Catalog # AD80600**

## Specification

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### LAG3 - Product info

Application	IHC-P
Primary Accession	<a href="#">P18627</a>
Reactivity	Human
Host	Rabbit
Clonality	Monoclonal
Calculated MW	57449

### LAG3 - Additional info

Gene ID **3902**

#### Other Names

Lymphocyte activation gene 3 protein, LAG-3, CD223, Secreted lymphocyte activation gene 3 protein, sLAG-3, LAG3 (<a href="http://www.genenames.org/cgi-bin/gene\_symbol\_report?hgnc\_id=6476" target="\_blank">HGNC:6476</a>), FDC

Storage **This product is stored at 2-8 °C, please use it within the expiration date.**

### LAG3 - Protein Information

Name LAG3 ([HGNC:6476](#))

Synonyms  
Function

#### FDC

Lymphocyte activation gene 3 protein: Inhibitory receptor on antigen activated T-cells (PubMed:[7805750](#), PubMed:[8647185](#), PubMed:[20421648](#)). 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:[7805750](#), PubMed:[8647185](#), PubMed:[20421648](#)). 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.

### LAG3 - 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](#)

### LAG3 - Images