

# LAG3 Antibody [2G8]

Catalog # ASC12164

## Product Information

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<b>Application</b>	WB, IHC-P, IF, ICC, E
<b>Primary Accession</b>	<a href="#">P18627</a>
<b>Other Accession</b>	<a href="#">NP_002277</a>
<b>Host</b>	Mouse
<b>Clonality</b>	Monoclonal
<b>Isotype</b>	IgG1,k
<b>Clone Names</b>	LAG3
<b>Calculated MW</b>	57449 Da

## Additional Information

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<b>Gene ID</b>	3902
<b>Alias Symbol</b>	LAG3
<b>Other Names</b>	LAG3 Antibody: lymphocyte activating 3, LAG-3, CD223

**Reconstitution & Storage** LAG-3 antibody can be stored at 4 °C for three months and -20 °C, stable for up to one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.

**Precautions** LAG3 Antibody [2G8] is for research use only and not for use in diagnostic or therapeutic procedures.

## Protein Information

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### Background

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The lymphocyte activation gene-3 (LAG3) is a member of the immunoglobulin superfamily and binds MHC class II with high affinity (1), negatively regulating T-cell function and homeostasis (2). It is expressed in B, T, and NK cells, monocytes, and dendritic cells (3), and acts to regulate T cell expansion (4). LAG3 is also an important immune checkpoint protein, with anti-LAG3 antibodies activating T effector cells and affecting regulatory T cell functions. Furthermore LAG3 appears to act in a synergistic fashion with PD-1/PD-L1, suggesting that a dual antibody approach may prove useful in cancer immunotherapy.

### References

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Huard B, Tournier M, Hercend T, et al. Lymphocyte-activation gene 3/major histocompatibility complex class II interaction modulates the antigenic response of CD4+ T lymphocytes. *Eur J Immunol* 1994; 24:3216–21. Triebel F. LAG-3: a regulator of T-cell and DC responses and its use in therapeutic vaccination. *Trends Immunol* 2003; 24:619–22. Workman CJ, Wang Y, El Kasmi KC, et al. LAG-3 regulates plasmacytoid

dendritic cell homeostasis. *J Immunol.* 2009; 182:1885–91. Workman CJ, Vignali DA. The CD4-related molecule, LAG-3 (CD223), regulates the expansion of activated T cells. *Eur J Immunol* 2003; 33:970–9.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.