

Datasheet for ABIN1169112
anti-LAG3 antibody



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Overview

Quantity:	100 µg
Target:	LAG3
Reactivity:	Human, Monkey
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This LAG3 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC), Immunocytochemistry (ICC), Immunoprecipitation (IP), Functional Studies (Func)

Product Details

Immunogen:	Recombinant human LAG-3.
Clone:	1-10E-04
Isotype:	IgG1
Specificity:	Recognizes human and monkey LAG-3.
Cross-Reactivity:	Human, Monkey
Purification:	Purified from concentrated hybridoma tissue culture supernatant.
Purity:	>95 % (SDS-PAGE)
Endotoxin Level:	<0.001EU/µg purified protein or <1EU/mg purified protein (LAL test, Lonza).

Target Details

Target:	LAG3
Alternative Name:	LAG-3 (LAG3 Products)
Background:	Lymphocyte activation gene 3 (LAG-3, CD223) plays an important role in negatively regulating T cell proliferation, function and homeostasis. It is required for maximal natural and induced regulatory T cell (Treg) function. LAG-3 is closely related to the T cell co-receptor CD4 and binds to MHC class II molecules but with a significantly higher affinity than CD4.
UniProt:	P18627
Pathways:	Regulation of Leukocyte Mediated Immunity , Positive Regulation of Immune Effector Process , Cancer Immune Checkpoints

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	Lot specific
Buffer:	In PBS containing 0.02 % sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C, -20 °C
Storage Comment:	Short Term Storage: +4°C Long Term Storage: -20°C Stable for at least 1 year after receipt when stored at -20°C.
Expiry Date:	12 months

Publications

Product cited in:	Ward, Hall, Cairns, Leggat, Urbaniak, Vickers, Barker: "Clonal regulatory T cells specific for a red blood cell autoantigen in human autoimmune hemolytic anemia." in: Blood , Vol. 111, Issue 2,
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pp. 680-7, (2008) ([PubMed](#)).

Triebel, Hacene, Pichon: "A soluble lymphocyte activation gene-3 (sLAG-3) protein as a prognostic factor in human breast cancer expressing estrogen or progesterone receptors." in: **Cancer letters**, Vol. 235, Issue 1, pp. 147-53, (2006) ([PubMed](#)).

Huard, Mastrangeli, Prigent, Bruniquel, Donini, El-Tayar, Maigret, Dréano, Triebel: "Characterization of the major histocompatibility complex class II binding site on LAG-3 protein." in: **Proceedings of the National Academy of Sciences of the United States of America**, Vol. 94, Issue 11, pp. 5744-9, (1997) ([PubMed](#)).

Huard, Gaulard, Faure, Hercend, Triebel: "Cellular expression and tissue distribution of the human LAG-3-encoded protein, an MHC class II ligand." in: **Immunogenetics**, Vol. 39, Issue 3, pp. 213-7, (1994) ([PubMed](#)).