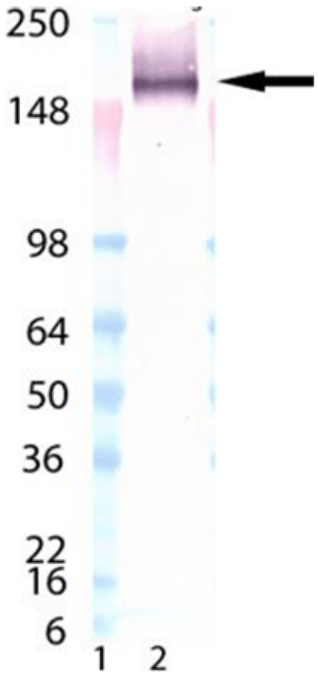
LAG-3 (human) recombinant monoclonal antibody (L4-PL33) (PBS only)

The lymphocyte activation gene-3 (LAG-3, CD223), a member of the immunoglobulin superfamily (IgSF) related to CD4, binds to the major histocompatibility complex (MHC) class II molecules but with higher affinity than CD4. Several alternative mRNA splice-variants of human LAG-3 have been described, two of them encoding potential secreted forms: LAG-3V1 (i.e. the D1-D2 domains of the protein, 36 kDa) and LAG-3V3 (D1-D3, 52 kDa). The longer form was detected by ELISA in the serum of healthy individuals as well as of tuberculosis patients with a favorable outcome. LAG-3 expression by T cell clones correlated with IFN-γ production, and hence soluble LAG-3 has been suggested as a serological marker of Th1 responses.

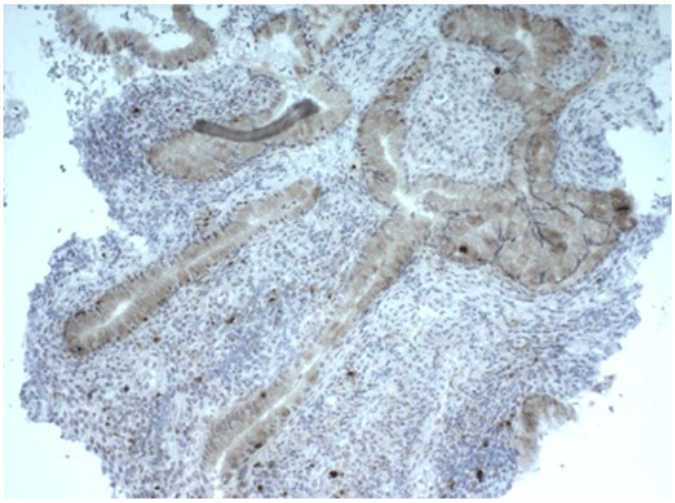
This antibody is covered by our Worry-Free Guarantee.

Manuals, SDS & CofA

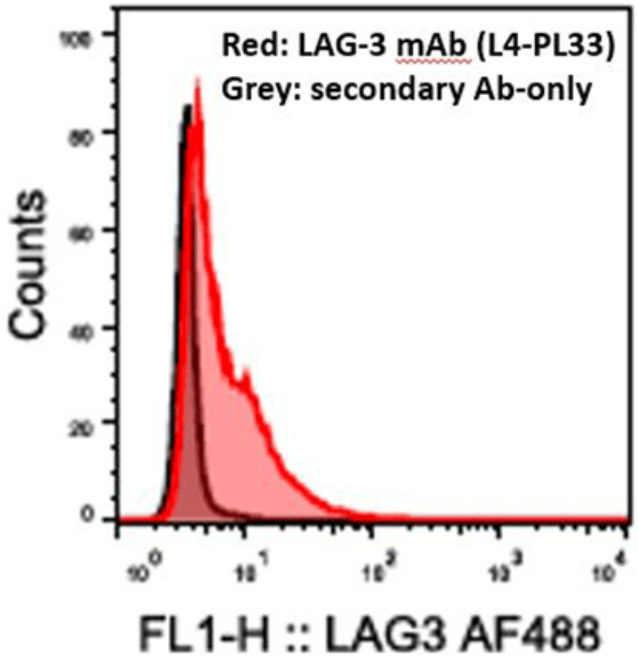
View Online »



Western blot analysis of LAG-3 mAb (L4-PL33) (Prod. No. ENZ-ABS677): Lane 1: MW marker, Lane 2: LAG-3 (human):Fc (human), (recombinant) (Prod. No. ALX-522-078).



Immunohistochemistry analysis of formalin-fixed, paraffin-embedded human tonsil tissue stained with LAG-3 (human) recombinant mAb (L4-PL33) at 6µg/ml.



Flow cytometry analysis of 0.5×10^6 THP-1 cells stained using LAG-3 mAb (L4-PL33) at a concentration of 5µg/ml, followed by Alexa Fluor® 488 conjugated anti-mouse secondary antibody.

Handling & Storage

Use/Stability	Stable for at least 6 months after receipt when stored as recommended.
Handling	Avoid freeze/thaw cycles.
Short Term Storage	+4°C
Long Term Storage	-20°C
Shipping	Blue Ice

Regulatory Status

RUO - Research Use Only

Product Details

Alternative Name	Lymphocyte activation gene-3, FDC protein, CD223
Application	ELISA, Flow Cytometry, ICC, IHC, IP, WB
Clone	L4-PL33
Formulation	Liquid. In PBS-only. Preservative and stabilizer free.
GenBank ID	NM_002286
Host	Mouse
Immunogen	Synthetic peptide corresponding to 30 aa (GPPAAAPGHPLAPGPHPAAPSSWGPRPRRY) from the first N-terminal D1 domain of human LAG-3 (lymphocyte activation gene-3).
Isotype	IgG1κ
Purity Detail	Protein A affinity purified.
Recommendation Dilutions/Conditions	Flow Cytometry (1:100)Immunohistochemistry (frozen sections, 1:150; FFPE sections, 1:150)Western Blot (1-5 µg/ml)Immunoprecipitation (10 µg/ml)Suggested dilutions/conditions may not be available for all applications.Optimal conditions must be determined individually for each application.

Source	Purified from tissue culture supernatant.
Species Reactivity	Human
Specificity	Recognizes the 30 aa extra-loop of the first N-terminal D1 domain of LAG-3.
UniProt ID	P18627
Worry-free Guarantee	**This antibody is covered by our Worry-Free Guarantee .**

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