Datasheet for ABIN1169111

anti-LAG3 antibody (N-Term) (Atto 647N)

1 Image

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Overview

Quantity:	100 tests
Target:	LAG3
Binding Specificity:	N-Term
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This LAG3 antibody is conjugated to Atto 647N
Application:	Flow Cytometry (FACS), Immunocytochemistry (ICC)

Product Details

Immunogen:	Synthetic peptide corresponding to 30 aa in the N-terminus of human LAG-3.
Clone:	17B4
Isotype:	IgG1
Specificity:	Recognizes human LAG-3.
Cross-Reactivity:	Human
Purity:	>95 % (SDS-PAGE)

Target Details

Target:	LAG3
Alternative Name:	LAG-3 (LAG3 Products)

Target Details

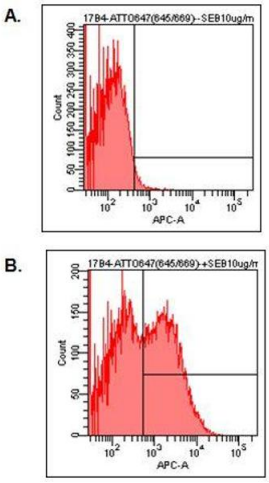
Background:	Lymphocyte activation gene 3 (LAG-3, CD223) plays an important role in negatively regulating T cell proliferation, function and homeostasis. It is required for maximal natural and induced regulatory T cell (Treg) function. LAG-3 is closely related to the T cell co-receptor CD4 and binds to 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.
Comment:	New ATTO-fluorescent antibodies show increased photostability, outstanding brightness and intense signals. ATTO dyes are thermally stable, resistant to environmental changes and show no significant isomerization. ATTO 647N shows red fluorescence (lambdaabs (max): 645nm, lambdaem (max): 669nm, epsilonmax: 120'000).
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
Storage Comment:	Short Term Storage: +4°C Long Term Storage: +4°C Keep conjugated formats at +4°C. Stable for at least 1 year after receipt when stored at +4°C.
Expiry Date:	12 months



Flow Cytometry

Image 1. Detection of endogenous human LAG-3 by FACS analysis using anti-LAG-3 (human), mAb (17B4) (ATTO 647) . Human PBMC were stimulated (B) or not (A) with 1µg/ml of superantigen SEB. After 2 days PBMC were stained with 10µg/ml (1µg/0.5x106 cells) of anti-LAG-3 (human), mAb (17B4) (ATTO 647) and analyzed by flow cytometry.