

Anti-LAG-3 Antibody (Monoclonal, 17B4), ATTO 647N Conjugated

Catalog Number: D02869

About LAG3

MINDY lysine 48 deubiquitinase 4, also known as MINDY4, is a human gene. MINDY4 (MINDY Lysine 48 Deubiquitinase 4, also designated AQP1, AQP-1, CHIP28, C7orf67, and FAM188B) is a protein coding gene located on human chromosome 7p14.3. The human MINDY4 gene encodes a 757 amino acids protein containing 84372 Da. The MINDY4 protein is broadly expressed in testis, lung and other tissues. The MINDY4 gene is conserved in chimpanzee, dog, cow, mouse, rat, chicken, zebrafish, and frog. 330 organisms have orthologs with human gene MINDY4. MINDY4B is an important paralog of this MINDY4 gene.

Overview

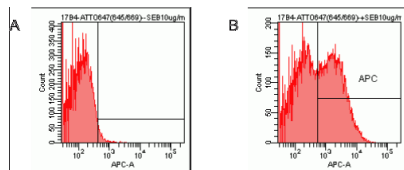
Product Name	Anti-LAG-3 Antibody (Monoclonal, 17B4), ATTO 647N Conjugated
Reactive Species	Human
Description	Boster Bio Anti-LAG-3 Antibody (Monoclonal, 17B4), ATTO 647N Conjugated catalog # D02869. Tested in Flow Cytometry applications. This antibody reacts with Human.
Conjugate	ATTO 647N
Application	Flow Cytometry
Clonality	Monoclonal 17B4
Formulation	Each vial contains 50mM Tris, 1% BSA and 0.02% sodium azide.
Storage Instructions	+4°C. Avoid vigorous centrifugation and vortexing. Do not freeze. Protect from light.
Host	Mouse
Uniprot ID	P18627

Technical Details

Immunogen	Synthetic peptide corresponding to 30 aa (GPPAAAPGHPLAPGPHPAAPSSWGPRPRRY) from the first N-terminal D1 domain of human LAG-3 (lymphocyte activation gene-3).
Predicted Reactive Species	Bovine, Canine, Chicken, Primate, Sheep, Xenopus, Zebrafish
Recommended Detection Systems	Boster recommends Enhanced Chemiluminescent Kit with anti-Rabbit IgG (EK1002) for Western blot, and HRP Conjugated anti-Rabbit IgG Super Vision Assay Kit (SV0002-1) for IHC(P).
Cross Reactivity	No cross reactivity with other proteins.
Isotype	IgG
Form	Liquid

Concentration	0.5-1mg/ml, actual concentration vary by lot. Use suggested dilution ratio to decide dilution procedure.
Purification	Purified from concentrated hybridoma tissue culture supernatant by Protein A Sepharose™ CL-4B Flow Fast Column.
Suggested Dilutions	<p>Dilute the sample so that the expected range of concentrations fall within the detection range of this kit.</p> <p>If the expected range of concentration is unknown, a pilot test should be conducted to decide the optimal dilution ratio for your samples.</p> <p>Some PubMed article(s) citing the expression level of this target are as follows:</p> <p>Boster Bio's internal QC testing used:</p> <p>Flow Cytometry, 1:100</p>

Anti-LAG-3 Antibody (Monoclonal, 17B4), ATTO 647N Conjugated (D02869) Images



Detection of endogenous human LAG-3 by FACS analysis using LAG-3 (human), mAb (17B4) (ATTO 647) (Catalog Number D02869) Method: Human PBMC were stimulated (B) or not (A) with 1ug/ml of superantigen SEB. After 2 days PBMC were stained with 10ug/ml (1ug/0.5x10⁶ cells) of LAG-3 (human), mAb (17B4) (ATTO 647) (Catalog Number D02869) and analyzed by flow cytometry.

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