BOSTER BIOLOGICAL TECHNOLOGY
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Anti-SLAM/CD150/SLAMF1 Antibody

Catalog Number: A03988-2

About SLAMF1

Signaling lymphocytic activation molecule 1 is a protein that in humans is encoded by the SLAMF1 gene. SLAMF1 Antibody: The signaling lymphocyte-activation molecule family member 1 (SLAMF1) is a novel receptor on T cells that potentiates T cell expansion in a CD28-independent manner. SLAMF1 is predominantly expressed by hematopoietic tissues. Reports suggest that the extracellular domain of SLAMF1 is the receptor for the measles virus and acts as a co-activator on both T and B cells. It is thought to interact with SH2D1A and with PTPN11 via its cytoplasmic domain. Mutations of the SLAM associated gene may be associated with X-linked lympho-proliferative disease (XLP).

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Overview

Product Name	Anti-SLAM/CD150/SLAMF1 Antibody
Reactive Species	Human
Description	Boster Bio Anti-SLAM/CD150/SLAMF1 Antibody catalog # A03988-2. Tested in ELISA, Flow Cytometry, IHC applications. This antibody reacts with Human.
Application	ELISA, Flow Cytometry, IHC
Clonality	Polyclonal
Formulation	Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na2HPO4.
Storage Instructions	At -20°C for one year from date of receipt. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freezing and thawing.
Host	Rabbit
Uniprot ID	Q13291

Technical Details

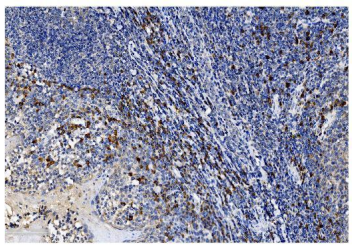
Immunogen	E.coli-derived human SLAM/CD150/SLAMF1 recombinant protein (Position: K34-N213).
Recommended Detection Systems	Boster recommends HRP Conjugated anti-Rabbit IgG Super Vision Assay Kit (SV0002-1) for IHC(P).
Cross Reactivity	No cross-reactivity with other proteins.

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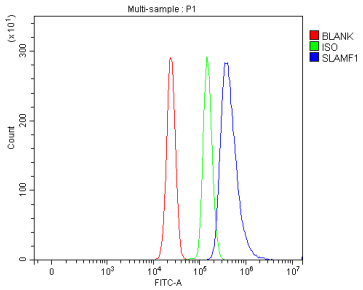
Isotype	Rabbit IgG
Form	Lyophilized
Concentration	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml.
Purification	Immunogen affinity purified.
Suggested Dilutions	Immunohistochemistry(Paraffin-embedded Section), 2-5 ug/ml, Human Flow Cytometry (Fixed), 1-3 ug/1x10^6 cells, Human ELISA, 0.1-0.5 ug/ml, - Note: For flow cytometry (FCM), suitable for fixed cells only. Not suitable for FACS or surface flow cytometry using live cells.

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Anti-SLAM/CD150/SLAMF1 Antibody (A03988-2) Images



IHC analysis of SLAM/CD150/SLAMF1 using anti-SLAM/CD150/SLAMF1 antibody (A03988-2). SLAM/CD150/SLAMF1 was detected in a paraffin-embedded section of human tonsil tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH 8.0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 2 ug/ml rabbit anti-SLAM/CD150/SLAMF1 Antibody (A03988-2) overnight at 4°C. Peroxidase Conjugated Goat Anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37°C. The tissue section was developed using HRP Conjugated Rabbit IgG Super Vision Assay Kit (Catalog # SV0002) with DAB as the chromogen.



Flow Cytometry analysis of U937 cells using anti-SLAM/CD150/SLAMF1 antibody (A03988-2). Overlay histogram showing U937 cells stained with A03988-2 (Blue line). The cells were fixed with 4% paraformaldehyde and blocked with 10% normal goat serum. And then incubated with rabbit anti-SLAM/CD150/SLAMF1 Antibody (A03988-2, 1 ug/1x106 cells) for 30 min at 20°C. DyLight®488 conjugated goat anti-rabbit IgG (BA1127, 5-10 ug/1x106 cells) was used as secondary antibody for 30 minutes at 20°C. Isotype control antibody (Green line) was rabbit IgG (1 ug/1x106) used under the same conditions. Unlabelled sample without incubation with primary antibody and secondary antibody (Red line) was used as a blank control.

For Research Use Only. Not for use in diagnostic procedures.