BOSTER BIOLOGICAL TECHNOLOGY
3942 B Valley Ave, Pleasanton, CA 94566
888-466-3604 | support@bosterbio.com | www.bosterbio.com

Anti-Cd63 Antibody

Catalog Number: A01080-1

About Cd63

CD63 antigen is a protein that in humans is encoded by the CD63 gene. The protein encoded by this gene is a member of the transmembrane 4 superfamily, also known as the tetraspanin family. Most of these members are cell-surface proteins that are characterized by the presence of four hydrophobic domains. It is mapped to 12q13.2. CD63 is mainly associated with membranes of intracellular vesicles, although cell surface expression may be induced. The proteins mediate signal transduction events that play a role in the regulation of cell development, activation, growth and motility. This encoded protein is a cell surface glycoprotein that is known to complex with integrins. It may function as a blood platelet activation marker. Deficiency of this protein is associated with Hermansky-Pudlak syndrome. Also this gene has been associated with tumor progression.

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Overview

Product Name	Anti-Cd63 Antibody
Reactive Species	Mouse, Rat
Description	Boster Bio Anti-Cd63 Antibody catalog # A01080-1. Tested in IHC applications. This antibody reacts with Mouse, Rat.
Application	IHC
Clonality	Polyclonal
Formulation	Each vial contains 4mg Trehalose, 0.9mg NaCl, 0.2mg Na2HPO4, 0.01mg NaN3.
Storage Instructions	Store 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 freeze-thaw cycles.
Host	Rabbit
Uniprot ID	P41731

Technical Details

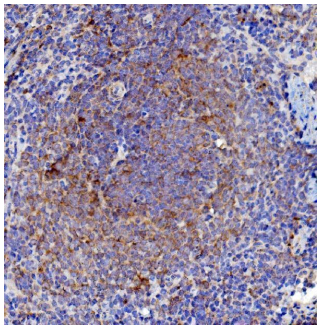
Immunogen	A synthetic peptide corresponding to a sequence in the middle region of mouse Cd63, which shares 81.3% and 100% amino acid (aa) sequence identity with human and rat Cd63, respectively.
Recommended Detection Systems	Boster recommends HRP Conjugated anti-Rabbit IgG Super Vision Assay Kit (SV0002-1) for IHC(P).

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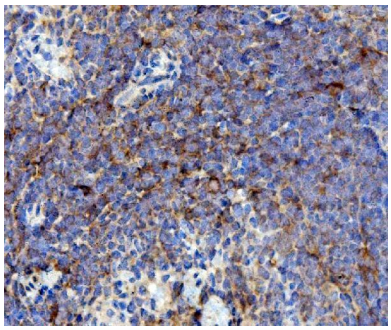
Cross Reactivity	No cross-reactivity with other proteins.
Isotype	Rabbit IgG
Form	Lyophilized
Concentration	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml.
Purification	Immunogen affinity purified.
Suggested Dilutions	Immunohistochemistry (Paraffin-embedded Section), 2-5ug/ml, Mouse, Rat

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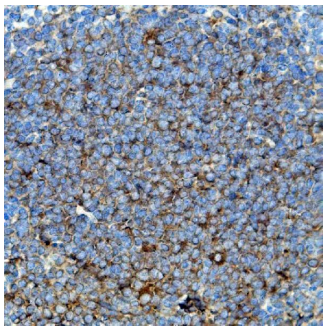
Anti-Cd63 Antibody (A01080-1) Images



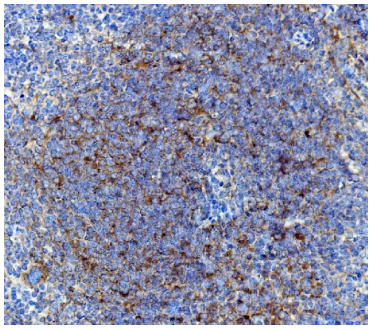
IHC analysis of Cd63 using anti-Cd63 antibody (A01080-1). Cd63 was detected in paraffin-embedded section of rat spleen tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH8.0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 2ug/ml rabbit anti-Cd63 Antibody (A01080-1) overnight at 4°C. Biotinylated goat anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37°C. The tissue section was developed using Strepavidin-Biotin-Complex (SABC) (Catalog # SA1022) with DAB as the chromogen.



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1 Publications Citing This Product

1. PubMed ID: 10.1007/s10529-021-03148-4, Serum-derived exosomes accelerate scald wound healing in mice by optimizing cellular functions

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and promoting Akt phosphorylation

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Anti-Cd63 Antibody

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