bsm-52384R **[Primary Antibody]**

CD63 Recombinant Rabbit mAb

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DATASHEET

Host: Rabbit
Isotype: IgG
Clonality: Recombinant
CloneNo.: 4C2
GeneID: 967
SWISS: P08962
Target: CD63

Immunogen: A synthesized peptide derived from human CD63: 100-200.

Purification: affinity purified by Protein A

Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Background: 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. The proteins mediate signal transduction events that play a role in the regulation of cell development, activation, growth and motility. The 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. Alternative splicing results in multiple transcript variants encoding different protein isoforms. [provided by RefSeq, Apr 2012]

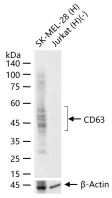
Applications: **WB** (1:1000-5000)
IHC-P (1:200-800)
IHC-F (1:200-800)
IF (1:200-800)
ICC/IF (1:50-200)

Reactivity: Human

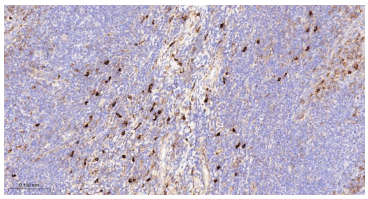
Predicted MW.: 26 kDa

Subcellular Location: Cell membrane ,Cytoplasm

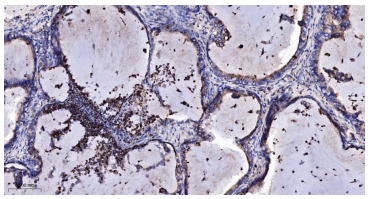
VALIDATION IMAGES



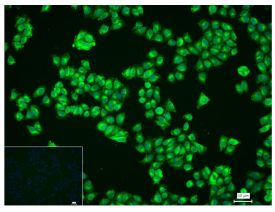
25 ug total protein per lane of various lysates (see on figure) probed with CD63 monoclonal antibody, unconjugated (bsm-52384R) at 1:1000 dilution and 4°C overnight incubation. Followed by conjugated secondary antibody incubation at r.t. for 60 min.



Paraformaldehyde-fixed, paraffin embedded Human Tonsil; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; The section was incubated with CD63 Monoclonal Antibody, Unconjugated (bsm-52384R) at 1:200 overnight at 4°C, followed by conjugation to the bs-0295G-HRP and DAB (C-0010) staining.



Paraformaldehyde-fixed, paraffin embedded Human Lung Cancer; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; The section was incubated with CD63 Monoclonal Antibody, Unconjugated (bsm-52384R) at 1:200 overnight at 4°C, followed by conjugation to the bs-0295G-HRP and DAB (C-0010) staining.



4% Paraformaldehyde-fixed A375 (H) cell; Triton X-100 at r.t. for 20 min; Antibody incubation with (CD63) monoclonal Antibody, unconjugated (bsm-52384R) 1:100, 90 min at 37°C; followed by conjugated Goat Anti-Rabbit IgG antibody (green, bs-40295G-FITC) at 37°C for 90 min, DAPI (blue, C02-04002) was used to stain the cell nuclei. PBS instead of the primary antibody was used as the blank control.

SELECTED CITATIONS

- **[IF=4.6]** Huilong Li. et al.Exosomes derived from syncytia induced by SARS-2-S promote the proliferation and metastasis of hepatocellular carcinoma cells.FRONTIERS IN CELLULAR AND INFECTION MICROBIOLOGY.2025 Jan 8:14:1415356. Western blot ;Human. 39844837
- **[IF=4]** Liang Min. et al. Astragaloside IV Suppresses the Effects of Hepatocellular Carcinoma Cells on Proliferation, Angiogenesis, and Invasion in Human Umbilical Vein Endothelial Cells by Controlling Exosomes by Inhibiting Rab27a. J FOOD BIOCHEM. 2023;2023:8812742 WB ;Human. 10.1155/2023/8812742
- **[IF=3.9]** Irene Chavarría-Cubel. et al. The synthetic TRPML1 agonist ML-SA1 mitigates intracellular lipid accumulation induced by antipsychotics in vitro by stimulating release of extracellular microvesicles. BBA-MOL CELL BIOL L. 2025 May;1870:159611 IF ;Human. 40222411
- **[IF=3.251]** Qifang Niu. et al. Exosomes Derived from Bone Marrow Mesenchymal Stem Cells Alleviate Ischemia-Reperfusion Injury and Promote Survival of Skin Flaps in Rats. LIFE-BASEL. 2022 Oct;12(10):1567 WB ;Rat. 36295004
- **[IF=3.21]** Ming-Zhi Huang. et al. Exosomes from artesunate-treated bone marrow-derived mesenchymal stem cells transferring SNHG7 to promote osteogenesis via TAF15-RUNX2 pathway. REGEN MED. 2022 Oct 02 WB ;Mouse, Human. 36184881