bs-1523R **[Primary Antibody]**

CD63 Rabbit pAb

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DATASHEET

Host: Rabbit **Isotype:** IgG

Clonality: Polyclonal

GeneID: 967 **SWISS:** P08962

Target: CD63

Immunogen: KLH conjugated synthetic peptide derived from human CD63: 101-200/238. < Extracellular >

Purification: affinity purified by Protein A

Concentration: 1mg/ml

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]

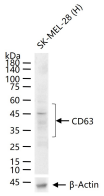
Applications: **WB** (1:500-2000)

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 polyclonal antibody, unconjugated (bs-1523R) at 1:1000 dilution and 4°C overnight incubation. Followed by conjugated secondary antibody incubation at r.t. for 60 min.

SELECTED CITATIONS

- **[IF=14.7]** Wei Yan. et al.Microbiota-reprogrammed phosphatidylcholine inactivates cytotoxic CD8 T cells through UFMylation via exosomal SerpinB9 in multiple myeloma..Nature Communications.2025 Mar 24;16(1):2863. Western Blot ;Human. 40128181
- **[IF=14.8]** Zheng Wang. et al.Sulfafurazole dimers potentiate chemo-immunotherapy of low immunogenic breast cancer by preventing the PD-L1 exosomes secretion.Acta Pharmaceutica Sinica B. WB ;Mouse. 10.1016/j.apsb.2025.03.007
- **[IF=13.6]** Juan Yan. et al. Engineered exosomes reprogram Gli1+ cells in vivo to prevent calcification of vascular grafts and autologous pathological vessels. SCI ADV. 2023 Jul;9(29) WB ;Human. 37478186

- **[IF=10.9]** Zetao Wang. et al. Extracellular vesicles loaded dual-network bioactive sealant via immunoregulation and annulus fibrosus repair for intervertebral disc herniation. J MATER SCI TECHNOL. 2024 Jun;184:75 WB ;Human. 10.1016/j.jmst.2023.10.034
- **[IF=10.6]** Zhang Miaomiao. et al. Targeting glutamine synthetase with AS1411-modified exosome-liposome hybrid nanoparticles for inhibition of choroidal neovascularization. J NANOBIOTECHNOL. 2024 Dec;22(1):1-16 WB ;Human. 39533430