bs-6934R **[Primary Antibody]**

CD81 Rabbit pAb

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DATASHEET

Host: Rabbit **Isotype:** IgG

Clonality: Polyclonal

GeneID: 975 **SWISS:** P60033

Target: CD81

Immunogen: KLH conjugated synthetic peptide derived from human TAPA1/CD81: 101-210/236. < 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. This encoded protein is a cell surface glycoprotein that is known to complex with integrins. This protein appears to promote muscle cell fusion and support myotube maintenance. Also it may be involved in signal transduction. This gene is localized in the tumor-suppressor gene region and thus it is a candidate gene for malignancies. [provided by RefSeq, Jul 2008]

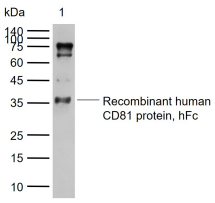
Applications: **WB** (1:500-2000)
Flow-Cyt (2ug/Test)
ELISA (1:5000-10000)

Reactivity: Human (predicted: Mouse, Rat)

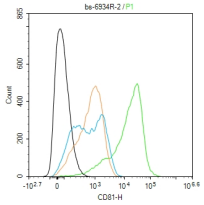
Predicted MW.: 26 kDa

Subcellular Location: Cell membrane

VALIDATION IMAGES



Sample: Lane 1: Recombinant human CD81 protein, hFc (HEK293) Primary: Anti-CD81 (bs-6934R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 26 kDa Observed band size: 36 kDa



Blank control:THP-1. Primary Antibody (green line): Rabbit Anti-CD81 antibody (bs-6934R) Dilution: 2ug/Test; Secondary Antibody (white blue line) : Goat anti-rabbit IgG-AF488 Dilution: 0.5ug/Test. Isotype control（orange line）： Normal Rabbit IgG Protocol The cells were incubated in 5%BSA to block non-specific protein-protein interactions for 30 min at room temperature .Cells stained with Primary Antibody for 30 min at room temperature. The secondary antibody used for 40 min at room temperature. Acquisition of 20,000 events was performed.

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 ;. 40128181

- **[IF=9.518]** Fan Y et al. High-sensitive and multiplex biosensing assay of NSCLC-derived exosomes via different recognition sites based on SPRi array. Biosens Bioelectron. 2020 Apr 15;154:112066. WB,Other ;Human. 32056961
- **[IF=10.435]** Li, Kanglu. et al. Anti-inflammatory and immunomodulatory effects of the extracellular vesicles derived from human umbilical cord mesenchymal stem cells on osteoarthritis via M2 macrophages. J Nanobiotechnol. 2022 Dec;20(1):1-20 WB ;Human. 35057811
- **[IF=7.711]** Xiaoyi Gao. et al. Rolling Circle Amplification-Assisted Flow Cytometry Approach for Simultaneous Profiling of Exosomal Surface Proteins. Acs Sensors. 2021;6(10):3611–3620 FCM ;Human. 34632781
- **[IF=8.063]** Faruqu FN et al. Membrane radiolabelling of exosomes for comparative biodistribution analysis in immunocompetent and immunodeficient mice–a novel and universal approach. Theranostics. 2019 Feb 28;9(6):1666-1682. FCM ;Mouse. 31037130