

bs-13625R**[Primary Antibody]****CD53 Rabbit pAb****Bioss**
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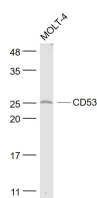
400-901-9800

— DATASHEET —**Host:** Rabbit**Isotype:** IgG**Clonality:** Polyclonal**GeneID:** 963**SWISS:** P19397**Target:** CD53**Immunogen:** KLH conjugated synthetic peptide derived from human CD53: 65-160/219. < 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.

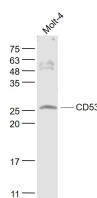
Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

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. It contributes to the transduction of CD2-generated signals in T cells and natural killer cells and has been suggested to play a role in growth regulation. Familial deficiency of this gene has been linked to an immunodeficiency associated with recurrent infectious diseases caused by bacteria, fungi and viruses. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Mar 2016]

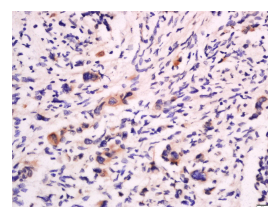
Applications: **WB** (1:500-2000)
IHC-P (1:100-500)
IHC-F (1:100-500)
IF (1:100-500)

Reactivity: Human**Predicted MW.:** 24 kDa**Subcellular Location:** Cell membrane**— VALIDATION IMAGES —**

Sample: MOLT-4(Human) Cell Lysate at 30 ug
 Primary: Anti- CD53 (bs-13625R) at 1/1000
 dilution Secondary: IRDye800CW Goat Anti-
 Rabbit IgG at 1/20000 dilution Predicted band
 size: 24 kD Observed band size: 25 kD



Sample: Molt-4(Human) Cell Lysate at 30 ug
 Primary: Anti- CD53 (bs-13625R) at 1/1000
 dilution Secondary: IRDye800CW Goat Anti-
 Rabbit IgG at 1/20000 dilution Predicted band
 size: 24 kD Observed band size: 26 kD



Tissue/cell: human colon cancer; 4%
 Paraformaldehyde-fixed and paraffin-
 embedded; Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block
 endogenous peroxidase by 3% Hydrogen
 peroxide for 30min; Blocking buffer (normal goat
 serum, C-0005) at 37°C for 20 min; Incubation:
 Anti-CD53 Polyclonal Antibody,
 Unconjugated(bs-13625R) 1:200, overnight at
 4°C, followed by conjugation to the secondary
 antibody(SP-0023) and DAB(C-0010) staining