bs-1258R **[Primary Antibody]**

ICAM2 Rabbit pAb

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DATASHEET

Host: Rabbit **Isotype:** IgG

Clonality: Polyclonal

GeneID: 3384 **SWISS:** P13598

Target: ICAM2

Immunogen: KLH conjugated synthetic peptide derived from human ICAM-2: 175-277/277.

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 intercellular adhesion molecule (ICAM) family. All ICAM proteins are type I transmembrane glycoproteins, contain 2-9 immunoglobulin-like C2-type domains, and bind to the leukocyte adhesion LFA-1 protein. This protein may play a role in lymphocyte recirculation by blocking LFA-1-dependent cell adhesion. It mediates adhesive interactions important for antigen-specific immune response, NK-cell mediated clearance, lymphocyte recirculation, and other cellular interactions important for immune response and surveillance. Several transcript variants encoding the same protein have been found for this gene. [provided by RefSeq, Jul 2008]

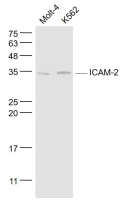
Applications: **WB** (1:500-2000)
Flow-Cyt (1µg/Test)

Reactivity: Human (predicted: Mouse, Rat)

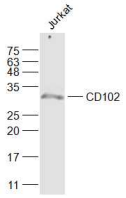
Predicted MW.: 28 kDa

Subcellular Location: Cell membrane

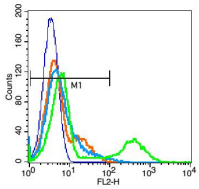
VALIDATION IMAGES



Sample: Molt-4(Human) Cell Lysate at 30 ug K562(Human) Cell Lysate at 30 ug Primary: Anti-ICAM-2/CD102 (bs-1258R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 28 kD Observed band size: 31 kD



Sample: Jurkat(Human) Cell Lysate at 30 ug Primary: Anti-CD102 (bs-1258R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 28 kD Observed band size: 28 kD



Blank control: Jurkat cells(blue). Primary Antibody:Rabbit Anti-CD102 antibody(bs-1258R), Dilution: 1µg in 100 µL 1X PBS containing 0.5% BSA; Isotype Control Antibody: Rabbit IgG(orange) ,used under the same conditions); Secondary Antibody: Goat anti-rabbit IgG-PE(white blue), Dilution: 1:200 in 1 X PBS containing 0.5% BSA. Protocol The cells were fixed with 2% paraformaldehyde (10 min) . Primary antibody (bs-1258R, 1µg /1x10^6 cells) were incubated for 30 min on the ice, followed by 1 X PBS containing 0.5% BSA + 1 0% goat serum (15 min) to block non-specific protein-protein interactions. Then the Goat Anti-rabbit IgG/PE antibody was added into the blocking buffer mentioned above to react with the primary antibody at 1/200 dilution for 30 min on ice. Acquisition of 20,000 events was performed.