bs-2519R **[Primary Antibody]**

CD83 Rabbit pAb

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DATASHEET

Host: Rabbit **Isotype:** IgG

Clonality: Polyclonal

GeneID: 9308 **SWISS:** Q01151

Target: CD83

Immunogen: KLH conjugated synthetic peptide derived from human CD83: 121-196/196. < Cytoplasmic >

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 CD83 antigen is a 186 amino acid single chain glycoprotein. This molecule is a member of the immunoglobulin superfamily and is composed of an extracellular V type immunoglobulin-like single domain, a transmembrane region, and a short, 40 amino acid cytoplasmic tail. CD83 antigen undergoes extensive post translational glycosylation, as the determined Mr is twice the predicted size of the core protein. However, CD83+ cells have a unique cell surface immunophenotype that does not correlate with that of T cells, B cells, NK cells, or cells of the myelomonocytic lineage. CD83+ cells coexpress the highest levels of MHC class II molecules, when compared with other leucocyte lineages. They also coexpress T cell markers (CD2, CD5), B cell markers (CD40, CD78), myeloid cell markers (CD13, CD33, CD36) and cytokine receptors, as well as other cell surface molecules.

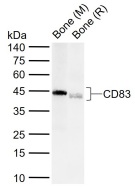
Applications: **WB** (1:500-2000)

Reactivity: Mouse, Rat (predicted: Human)

Predicted MW.: 21 kDa

Subcellular Location: Cell membrane

VALIDATION IMAGES



Sample: Lane 1: Mouse Bone tissue lysates Lane 2: Rat Bone tissue lysates Primary: Anti-CD83 (bs-2519R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 21 kDa Observed band size: 44 kDa

SELECTED CITATIONS

- **[IF=3.272]** Miss Hongfang Meng. et al. Overexpression of hepatocyte growth factor in dental pulp stem cells ameliorates the severity of psoriasis by reducing inflammatory responses. 2021 Jun 22 IHC ;Mouse. 34155928
- **[IF=1.48]** Zhang, Suxin, et al. "Variation and significance of secretory immunoglobulin A, interleukin 6 and dendritic cells in oral cancer." Oncology Letters. IHC ;Human. 28454394