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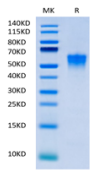
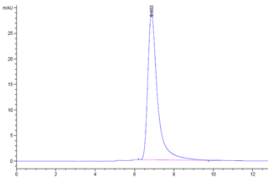
Recombinant human CD38 protein, C-His (HEK293)

Catalog Number:	bs-47056P
Concentration:	＞0.5 mg/ml
AA Seq:	43-300/300
Predicted MW:	30.7
Detected MW:	Due to glycosylation, the protein migrates to 50-60 kDa based on Tris-Bis PAGE result.
Tags:	C-His
Activity:	Not tested
Endotoxin:	<1.0 EU/μg as determined by LAL
Purity:	>95% as determined by Tris-Bis PAGE; >95% as determined by SEC-HPLC
Purification:	AC
Form:	Lyophilized
Storage:	Lyophilized from 0.22um filtered solution in PBS (pH7.4) with 5mM DTT. Normally 5% trehalose is added as protectant before Lyophilization. Stored at -70°C or -20°C. Avoid repeated freeze/thaw cycles.
Background:	The protein encoded by this gene is a non-lineage-restricted, type II transmembrane glycoprotein that synthesizes and hydrolyzes cyclic adenosine 5'-diphosphate-ribose, an intracellular calcium ion mobilizing messenger. The release of soluble protein and the ability of membrane-bound protein to become internalized indicate both extracellular and intracellular functions for the protein. This protein has an N-terminal cytoplasmic tail, a single membrane-spanning domain, and a C-terminal extracellular region with four N-glycosylation sites. Crystal structure analysis demonstrates that the functional molecule is a dimer, with the central portion containing the catalytic site. It is used as a prognostic marker for patients with chronic lymphocytic leukemia. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Sep 2015]

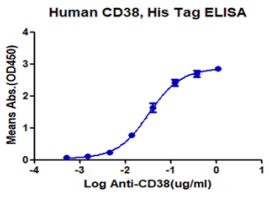
VALIDATION IMAGES



Recombinant CD38 on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.



The purity of CD38(Cat.CD3-HM138) is greater than 95% as determined by SEC-HPLC.



Immobilized human CD38 at 1ug/ml(100ul/well), dose response curve for Anti-CD38 mAb with the EC50 of 32.97ng/ml determined by ELISA .