Product Datasheet

Human CD38 Protein, hFc-His Tag

Catalog No: #AP89531

Package Size: #AP89531-1 10ug #AP89531-2 100ug

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

Description

Product Name	Human CD38 Protein, hFc-His Tag
Host Species	HEK293
Purification	The purity of the protein is greater than 95% as determined by SDS-PAGE and Coomassie blue staining.
Species Reactivity	Human
Immunogen Description	CD38(Val43-Ile300)+hFc(Glu99-Ala330)+6≠His tag
Other Names	CD38, T10, cADPr hydrolase 1
Calculated MW	70-72 kDa
Tag Info	C-Human Fc and 6≠His tag
Formulation	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 11 % trehalose is added as protectants before lyophilization.
Storage	Store at -80°C for 12 months (Avoid repeated freezing and thawing)

Images

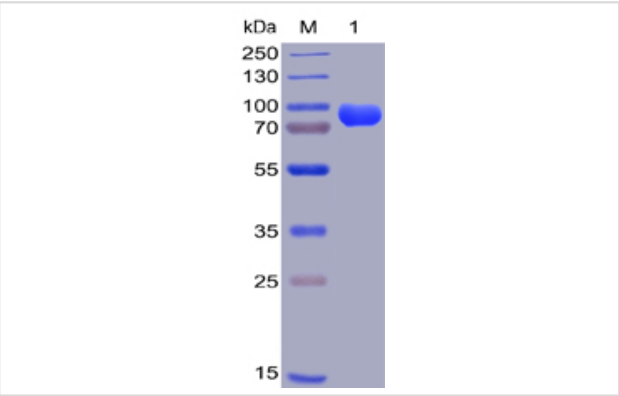

Figure 1. Human CD38, hFc-His Tag on SDS-PAGE under reducing condition.

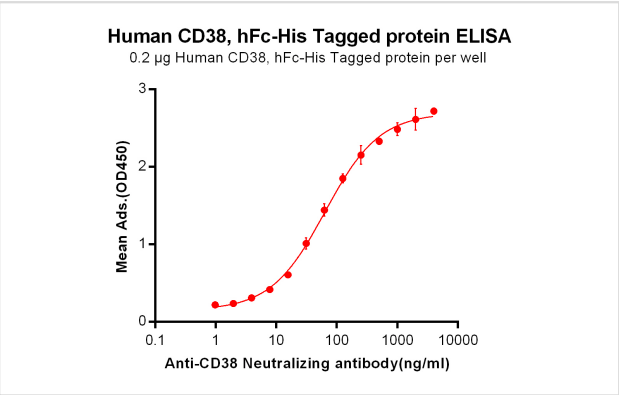

Figure 2. ELISA plate pre-coated by 2 μg/ml (100 μl/well) Human CD38, hFc-His tagged protein can bind Anti-CD38 Neutralizing antibody in a linear range of 0.98-64.14 ng/ml.

Product Description

Expression Region:660Research Topic:CD antigen CD38 is also known as ADP-ribosyl cyclase 1, which belongs to the ADP-ribosyl cyclase family. CD38 is expressed at high levels in pancreas, liver, kidney, brain, testis, ovary, placenta, malignant lymphoma and neuroblastoma. CD38 is a multifunctional ectoenzyme that catalyzes the synthesis and hydrolysis of cyclic ADP-ribose (cADPR) from NAD+ to ADP-ribose. These reaction products are essential for the regulation of intracellular Ca2+. The loss of CD38 function is associated with impaired immune responses, metabolic disturbances, and behavioral modifications. The CD38 protein is a marker of cell activation. It has been connected to HIV infection, leukemias, myelomas, solid tumors, type II diabetes mellitus and bone metabolism. CD38 has been used as a prognostic marker in leukemia.

Note: This product is for in vitro research use only