

APC Human CD38 Protein (C-His)

Catalog Number:	800103, 800104
Size:	25 ug, 100 ug
Target Name:	CD38, T10, cADPr 1
Regulatory Status:	RUO

PRODUCT DETAILS

Application:	Flow Cytometry
Format:	Liquid, APC
Expression Host:	HEK293
Species:	Human
Sources:	Recombinant Human CD38 (Val43-Ile300) with C-terminus His is expressed in HEK293 cell and conjugated to APC.
Accession Number:	P28907
Molecular Weight:	The protein has a predicted molecular weight of 33kDa. Under DTT-reducing conditions, it migrates at approximately 50 kDa on SDS-PAGE prior to APC conjugation.
Affinity Tag:	C-His
Formulation:	1xPBS buffer, pH7.4, 0.09% NaN ₃ with a carrier protein
Endotoxin level:	Not tested
Protein Concentration:	25µg size is bottled at 0.1mg/mL concentration. 100 µg size is bottled at lot specific concentration.
Storage and Handling:	Briefly centrifuge the vial upon receipt. An unopened vial may be stored at 2-8°C for up to six months.

BACKGROUND INFORMATION

CD38 (ADP-ribosyl cyclase 1) is a Type II membrane protein involved in calcium signaling through the conversion of NAD(P)⁺ into cADPR, NAADP⁺, and ADP-ribose. It is broadly expressed in immune cells and various tissues, and is linked to immune regulation, cancer, and metabolic disorders. CD38 also serves as a prognostic marker in leukemia.