

## APC Human CD38 Protein (C-His)

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

### PRODUCT DETAILS

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<b>Application:</b>	Flow Cytometry
<b>Format:</b>	Liquid, APC
<b>Expression Host:</b>	HEK293
<b>Species:</b>	Human
<b>Sources:</b>	Recombinant Human CD38 (Val43-Ile300) with C-terminus His is expressed in HEK293 cell and conjugated to APC.
<b>Accession Number:</b>	P28907
<b>Molecular Weight:</b>	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.
<b>Affinity Tag:</b>	C-His
<b>Formulation:</b>	1xPBS buffer, pH7.4, 0.09% NaN <sub>3</sub> with a carrier protein
<b>Endotoxin level:</b>	Not tested
<b>Protein Concentration:</b>	25µg size is bottled at 0.1mg/mL concentration. 100 µg size is bottled at lot specific concentration.
<b>Storage and Handling:</b>	Briefly centrifuge the vial upon receipt. An unopened vial may be stored at 2-8°C for up to six months.

### BACKGROUND INFORMATION

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CD38 (ADP-ribosyl cyclase 1) is a Type II membrane protein involved in calcium signaling through the conversion of NAD(P)<sup>+</sup> into cADPR, NAADP<sup>+</sup>, 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.