

Technical Data Sheet

APC Conjugated 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: FC

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% NaN₃ 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.