6042 Cornerstone Court W, Ste B
San Diego, CA 92121
Tel: 1.858.829.3082
Fax: 1.858.481.8694
Email: info@bpsbioscience.com

Data Sheet

CD38-APC, His-Tag

Human, Recombinant, C-terminal His-Tag
Catalog#: 71883
Lot#: 170214 **Conc.:** 1.19 mg/ml

Formulated in: 8 mM Na Phosphate pH 7.4, 110 mM NaCl, 2.2 mM KCl and 20% glycerol.

Stability: At least 6 months at –80°C. *Avoid freeze/thaw cycles. Protein may be diluted to ≥ 100 µg/ml in PBS + glycerol and stored at -80°C.*

References:

1. Damle, R. *et al., Blood.* 1998; **94**: 1840-1847.
2. Howard, M. *et al., Science.* 1993; **262(5136)**: 1056-1059.

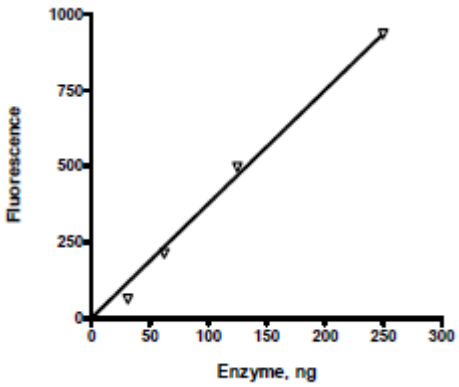
Description:
Human CD38 with APC, also known as cluster of differentiation 38 and cyclic ADP ribose hydrolase with C-terminal His-tag, GenBank Accession No. NM_001775, a.a. 43-300 expressed in a HEK293 cell expression system. MW = 31 kDa.

Assay Conditions:
Add CD38 enzyme to 50 µl reaction mix containing NGD+ (Nicotinamide Guanine Dinucleotide). Incubate 4 min at room temperature. Read fluorescence (λ exc=300 nm, λ em=410 nm).

Application:
Useful for studying protein binding and for screening small molecules and antibodies.

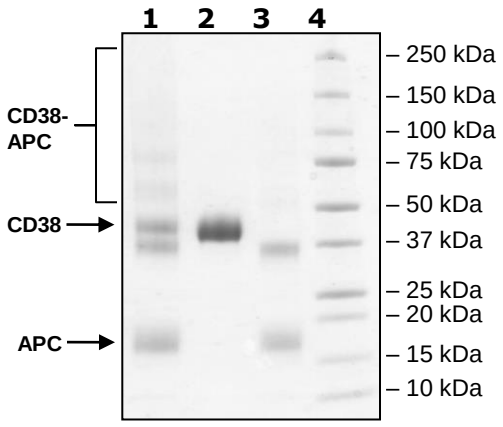
Quality Assurance

Specific Activity



4-20% SDS-PAGE
Coomassie staining

Lane 1:
8 µg CD38-APC
Lane 2:
4 µg CD38
Lane3:
4 µg APC
Lane 4:
Protein Marker



OUR PRODUCTS ARE FOR RESEARCH USE ONLY. NOT FOR DIAGNOSTIC OR THERAPEUTIC USE.