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, His-Tag (Mouse)

Mouse, Recombinant, C-terminal His-Tag
Catalog#: 79070
Lot#: 170711 **Conc.:** 0.91 mg/ml

Formulated in: 8 mM 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.

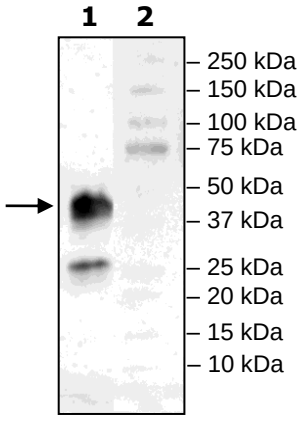
Description:
Mouse CD38, also known as cluster of differentiation 38 with C-terminal His-tag, GenBank Accession No. NM_007646, a.a. 45-303 expressed in a HEK293 cell expression system. MW = 31 kDa. This protein runs at a higher MW by SDS-PAGE due to glycosylation.

Application:
Useful as a positive control for western blotting

Quality Assurance

Western Blot

Lane 1: CD38
Lane 2: Protein Marker

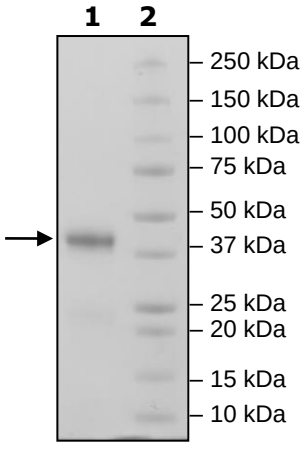


4-20% SDS-PAGE Coomassie staining

Lane 1: 4µg CD38
Lane 2: Protein Marker

MW: 31 kDa+glycans

Purity: ≥90%



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

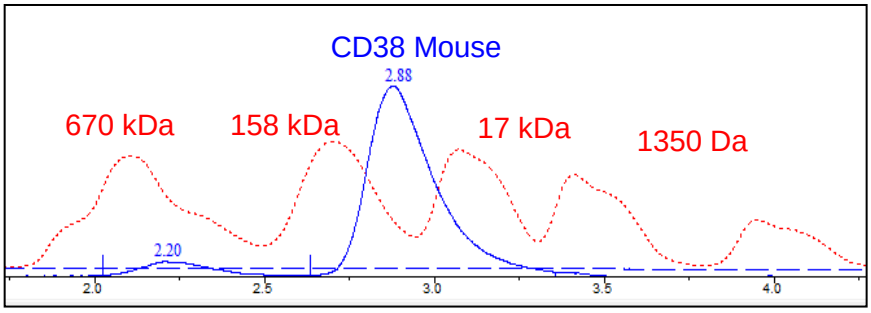
6042 Cornerstone Court W, Ste B
San Diego, CA 92121
Tel: 1.858.829.3082
Fax: 1.858.481.8694
Email: info@bpsbioscience.com

Sequence

LRPRSLLVWTGEPTTKHFSDIFLGRCLIYTQILRPEMRDQNCQEILSTFKG
AFVSKNPCNITREDYAPLVKLVTQTIPCNKTLFWSKSKHLAHQYTWIQGKM
FTLEDTLLGYIADDLRWCGDPSTSDMNYVSCPHWSENCPNNPITVFWKVIS
QKFAEDACGVVQVMLNGSLREPFYKNSTFGSVEVFSLDPNKVHKLQAWVMH
DIEGASSNACSSSSLNELKMIVQKRNMIFACVDNYRPARFLQCVKNPEHPS
CRLNTHHHHHH

Black: Mouse CD38(45-303)
Red: His-tag

Gel Filtration Curve



<10% Aggregation

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