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Data Sheet

CD160, His-Tag, HiP™

Human, Recombinant with C-terminal His-tag
Catalog #: 71173
Lot #: 140514-D **Conc.:** 3.03 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.*

Endotoxin Level: <1 EU/µg

References:

1. Cai, G., *et al., Nat. Immunol.* 2008; **9**: 176-185.
2. Le Bouteiller, P. *et al., Proc. Nat. Acad. Sci.USA* 2002; **99(26)**: 16963-16968.

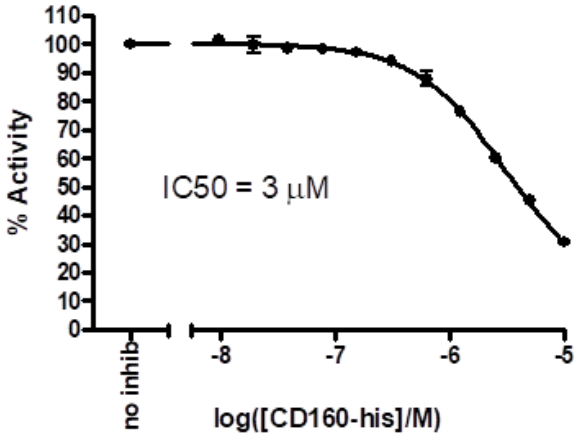
Description: Human secreted CD160, also known as Natural killer cell receptor BY55, GenBank Accession No. NM_007053, a.a. 27-159 with C-terminal His-tag, expressed in a HEK293 cell expression system. MW = 15.6 kDa (monomer). This protein runs at a higher MW by SDS-PAGE due to glycosylation.

Assay Conditions: Used the BTLA:HVEM[Biotinylated] Inhibitor Screening Assay Kit (BPS Bioscience, #72008). Briefly, coated plate with 100 ng/well of BTLA in 50 µl (overnight at 4 deg). Added various concentrations of either CD160 (0-10 µM) or HVEM-Fc (0-3 µM) CD137-biotin. Initiated binding assay with addition of 100 ng/well HVEM-Fc-biotin. Incubated for 2h at RT. Detected binding with Strep-HRP generated luminescence.

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

Quality Assurance

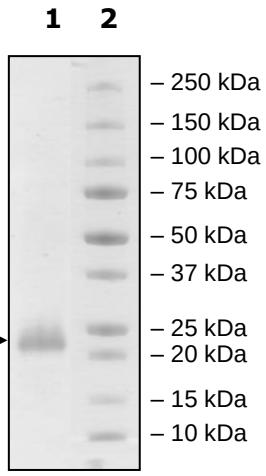
BTLA: HVEM Interaction



4-20% SDS-PAGE
Coomassie staining

Lane 1:
3 µg CD160
Lane 2:
Protein Marker

MW: 16 kDa + glycans
Purity: ≥90%



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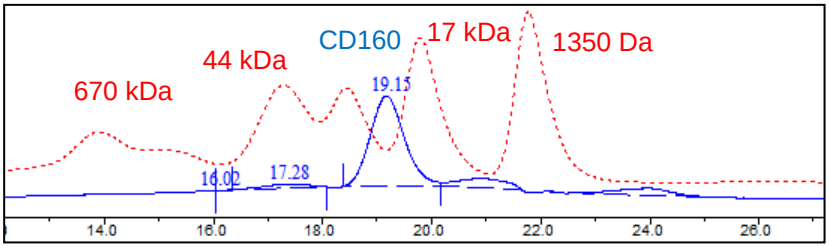
Gel Filtration Curve



<10% Aggregation

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