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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Data Sheet

CTLA4 (CD152), Fc-tag

Human, Recombinant, Fc fusion protein

Catalog #: 71149-2

Lot #: 180404-G **Conc.:** 0.44 mg/ml

Formulated in: 8 mM phosphate, pH 8.0, 110 mM NaCl, 2.2mM KCl, and 20% glycerol.

Stability: At least 6 months at -80°C . Avoid freeze/thaw cycles. Protein may be diluted to $\geq 100 \mu\text{g/ml}$ in PBS + glycerol and stored at -80°C .

Endotoxin Level: $<0.1 \text{ EU}/\mu\text{g}$

References:

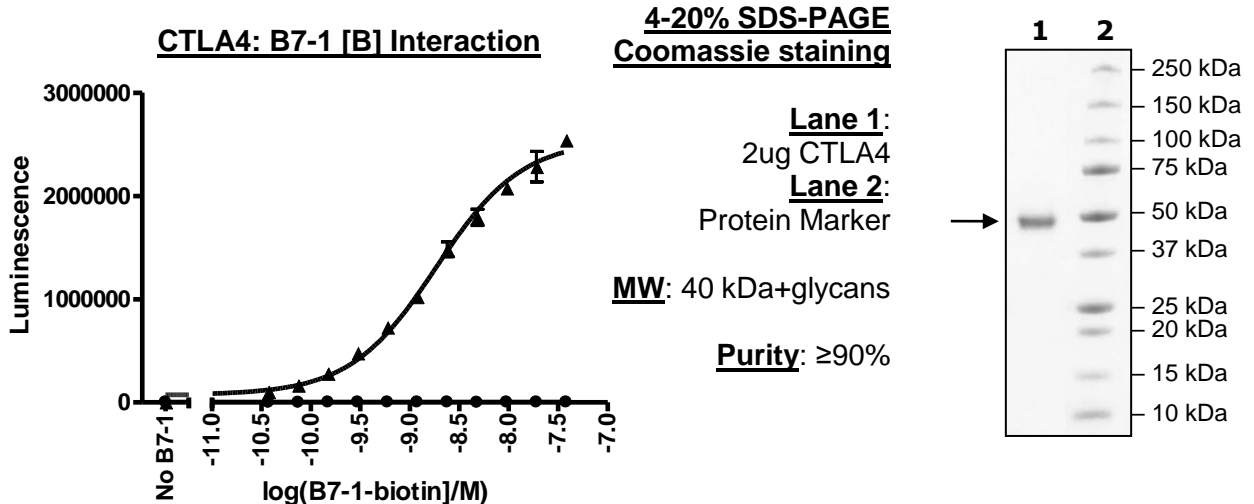
1. Dilek, N., *et al.*, *PLOS ONE*. 2013 Dec. 23: DOI: 10.1317.
2. Leach, D.R., *et al.*, *Science*. 1996; **271(5256)**:1734-1736.

Description: Human secreted CTLA4, Fc fusion protein, also known as Cytotoxic T-lymphocyte-associated protein 4 and CD152. GenBank Accession No. NM_005214, a.a. 36-162 expressed in a HEK293 cell expression system. MW = 40.3 kDa (monomer). This protein runs at a higher MW by SDS-PAGE due to glycosylation.

Assay Conditions: Reaction done according to CTLA4:B7-1[biotin] assay kit (Catalog # 72009) protocol. Buffer is PBS + 0.1% BSA. Blocking buffer is Superblock + 0.05% Tween-20. Coat protein was added ON at 4 deg 100 ng/well. Various concentrations of biotinylated ligand (0-5 ng/ul, 1.25 ng/ul is the recommended kit condition) added for 2h at RT. Strep-HRP added for 1h at RT.

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

Quality Assurance



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Sequence

**KAMHVAQPAVVLASSRGIASFVCEYASPGKATEVRVTVLRQADSQVTEVCAATYMM
GNELTFLDDSICTGTSSGNQVNLTIQGLRAMDTGLYICKVELMYPPPYLIGINGTQIY
VIDPEPCPDSDFIEGRMDPKSCDKTHTCPPCPAPPELLGGPSVFLFPPKPKDTLMISRTPE
EVTCTVVVDVSHEDPEVKFNWYVDGVEVHNAKTKPREEQYNSTYRVVSVLTVLHQDWL
NGKEYKCKVSNKALPAPIEKTISKAKGQPREPQVYTLPPSRDELTKNQVSLTCLVKGFY
PSDIAVEWESNGQPENNYKTTTPVLDSGSEFFLYSKLTVDKSRWQQGNVVFSCSVMHE
ALHNHYTQKSLSLSPGK**

Black: CTLA4 (a.a. 36-162)

Green: linker

Red: Fc of human IgG1 (a.a. 100-330)

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