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Data Sheet

CTLA4 (Woodchuck), Fc-Fusion (Human), Avi-tag

Woodchuck, Recombinant, N-terminal Fc-Avi-Tag
Catalog #: 100037
Lot #: 180404 **Conc.:** 0.74 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. Dilek, N., *et al.,PLOS ONE.* 2013 Dec. 23: DOI: 10.1317.
2. Leach, D.R., *et al., Science.* 1996; **271(5256)**:1734-1736.

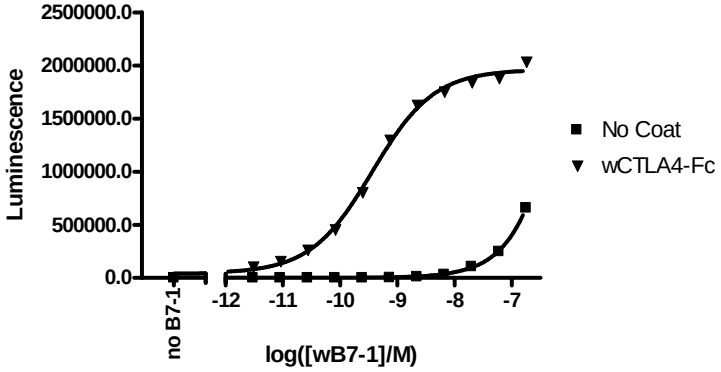
Description: Woodchuck secreted CTLA4, also known as Cytotoxic T-lymphocyte-associated protein 4 and CD152, with N-terminal Avi-Tag™ fused to the Fc region of Human IgG1, a.a. 36-162 expressed in a HEK293 cell expression system. MW = 42 kDa (monomer). This protein runs at a higher MW by SDS-PAGE due to glycosylation.

Assay Conditions: Reaction done similar to human CTLA4:B7-1[biotin] assay kit (BPS Catalog # 72009) protocol. Buffer is PBS with 0.1% BSA. Blocking buffer is Superblock + 0.05% Tween-20. The coat protein, woodchuck CTLA4 (wCTLA4), was added ON at 4 deg (various concentrations as indicated). Binding reaction initiated with addition of woodchuck B7-1-biotin (wB7-1-biotin) for 2h at RT. Binding was detected using Strep-HRP generated luminescence.

Applications: Useful for the study of enzyme kinetics, screening inhibitors, and selectivity profiling.

Quality Assurance

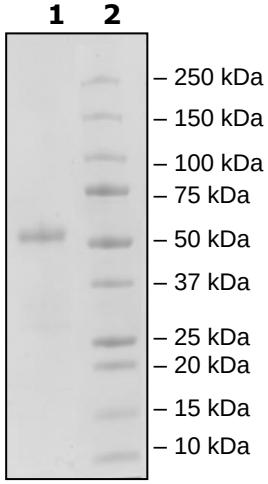
Woodchuck CTLA4: B7-1 Interaction



4-20% SDS-PAGE Coomassie staining

Lane 1: 4µgCTLA4 (Woodchuck)
Lane 2: Protein Marker

MW: 42 kDa + glycans
Purity: ≥90%



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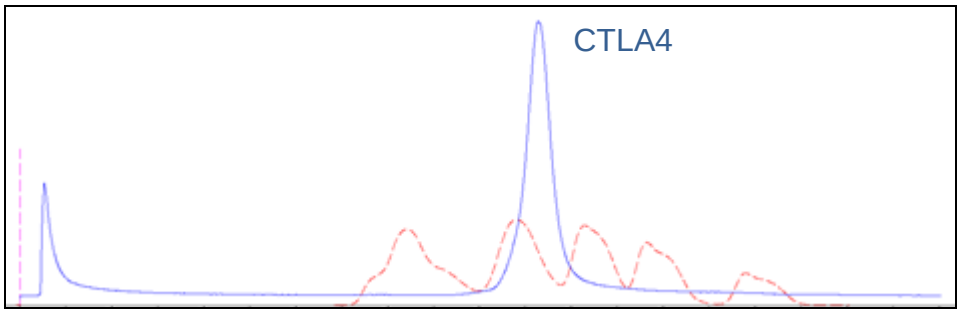
Gel Filtration Curve:



<10% aggregation