



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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See the following pages for more information!



### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

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## Data Sheet

### **B7-1 (CD80), Fc fusion, Avi-Tag, Biotin-labeled**

Human, Recombinant, Fc fusion protein,  
 C-terminal Avi-Tag, Biotin labeled.

**Catalog #:** 71114-2

**Lot #:** 160901      **Conc.:** 0.86 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  $-80^{\circ}\text{C}$ . *Avoid freeze/thaw cycles. Protein may be diluted to  $\geq 100 \mu\text{g/ml}$  in PBS + glycerol and stored at  $-80^{\circ}\text{C}$ .*

**References:**

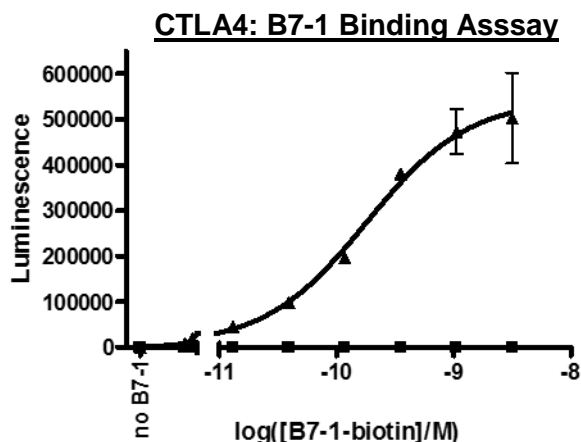
1. Byrum, J.N., Van Komen, J.S., Rodgers, W., *J. Immunol.* 2013 Sep 15; **191(6)**:3073-3081.
2. Legat, A., *et al.*, *Front Immunol.* 2013 Dec 19; **4**:455.

**Description:** Human secreted B7-1-Fc fusion protein, also known as CD80, with C-terminal Avi-Tag. GenBank Accession No. NM\_005191, a.a 35-242 expressed in a HEK293 cell expression system and enzymatically biotin-labeled using Avi-tag™ technology. MW = 53 kDa (monomer). This protein runs at a higher M.W. 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 (0-13.5 ng/ul, 0.5 ng/ul is the recommended kit condition) added for 2h at RT. Strep-HRP added for 1h at RT.

**Application:** Useful for the study of protein-protein interaction and in vitro and in vivo protein function studies.

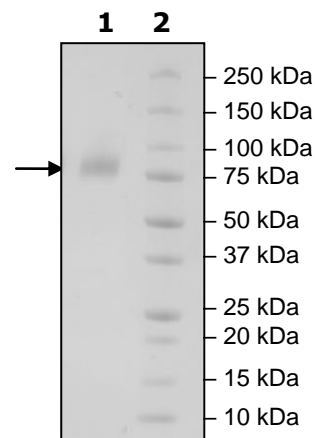
### Quality Assurance



**4-20% SDS-PAGE  
 Coomassie staining**

**Lane 1:**  
 3  $\mu\text{g}$  B7-1  
**Lane 2:**  
 Protein Marker

**MW:** 53 kDa  
**Purity:**  $\geq 90\%$



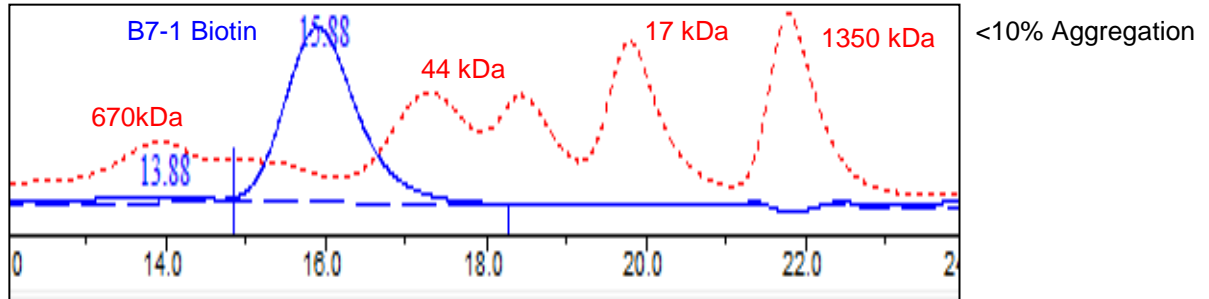
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