



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!  
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

**Lot #:** 160602

**Conc.:** 0.69 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:**

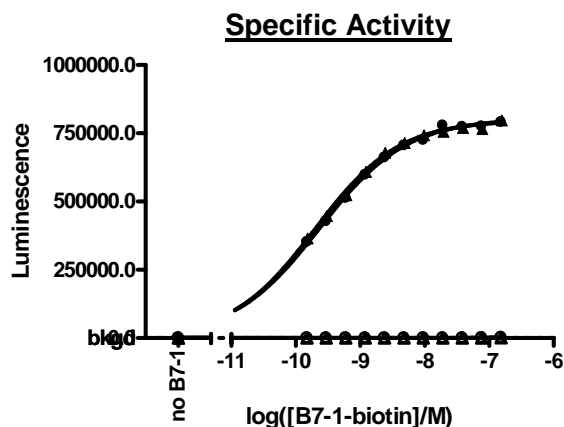
- Byrum, J.N., Van Komen, J.S.,  
 Rodgers, W., *J. Immunol.* 2013 Sep  
 15;191(6):3073-3081.
- Legat, A., *et al.*, *Front Immunol.* 2013  
 Dec 19;4:455.

**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 Description:** 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-  
 8ng/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.

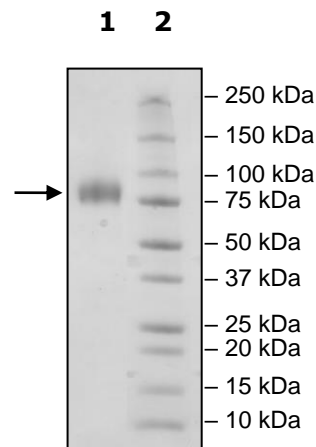
### Quality Assurance



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

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

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



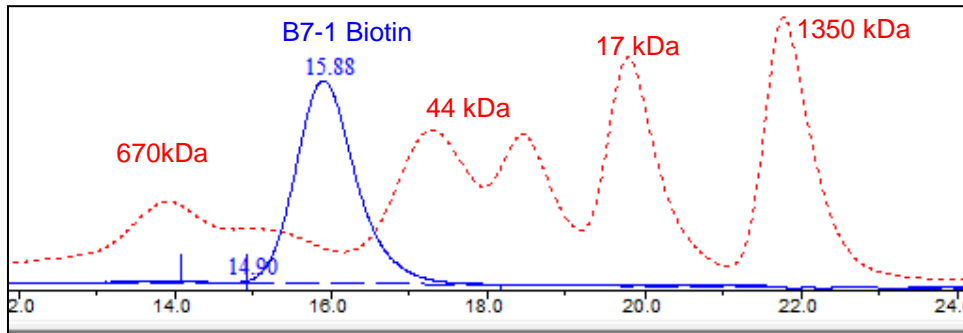
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### Gel Filtration Curve



<10% Aggregation

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