



# SZABO SCANDIC

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### Lieferung & Zahlungsart

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### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

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## Data Sheet

### LAG3 (CD223), Fc-Fusion, Avi-Tag, Biotin-Labeled

Human, Recombinant, Fc fusion protein,  
 C-terminal Avi-tag™, Biotin-Labeled

**Catalog #:** 71147

**Lot #:** 190207

**Conc.:** 1.29 mg/ml

**Formulated in:** 20 mM NaOAc, pH 5.5, 500 mM NaCl, 0.02% Tween 20 and 10% 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. Byrnes, *et al.*, *Cytometry A*. 2012 Sep; **81(2)**:165-8.
2. Di Carlo, *et al.*, *J. Pathol.* 2005 Jan; **205(1)**:82-91.

**Description:**

Human secreted LAG3, Fc fusion protein, also known as Lymphocyte-Activation Gene 3 and CD223, with C-terminal Avi-Tag™. GenBank Accession No. NM\_002286, a.a. 23-450 expressed in a HEK293 cell expression system and enzymatically biotin-labeled using Avi-tag™ technology. MW = 75 kDa (monomer). This protein runs at a higher MW by SDS-PAGE due to glycosylation.

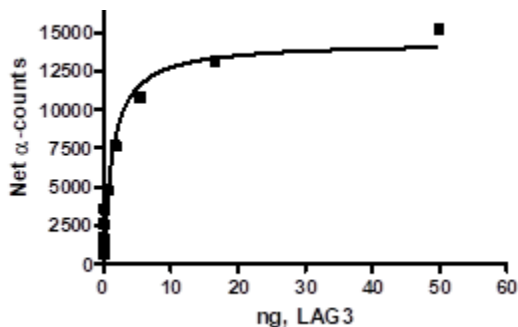
**Assay Conditions:** 5  $\mu\text{l}$  FGL1 His from Cloud Clone Corp. #RPD011Hu01 P20190118898 was used with a final concentration of 100 nM along with 5  $\mu\text{l}$  of titrated LAG3 [B] catalog #71147 titrated from 150-0 ng/rxn and incubated at room temperature for 1 hour. 10  $\mu\text{l}$  1:250-fold diluted Ni acceptor beads Perkin Elmer #AL108C were added to the plate and incubated at room temperature for 30 min. 10  $\mu\text{l}$  1:125-fold diluted Strep Donor Beads Perkin Elmer #67600025 were added and incubated at room temperature for 1 hour.

**Application:**

Useful for studying protein binding and screening small molecules.

### Quality Assurance

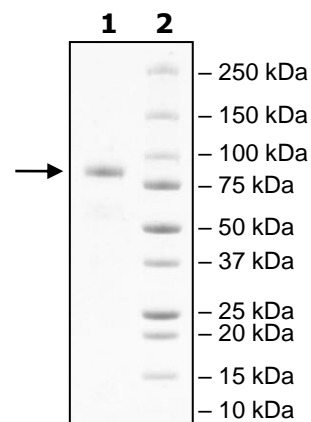
**Specific Activity**



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

**Lane 1:**  
 2  $\mu\text{g}$  LAG3  
**Lane 2:**  
 Protein Marker

**MW:** 75 kDa  
**Purity:**  $\geq 90\%$



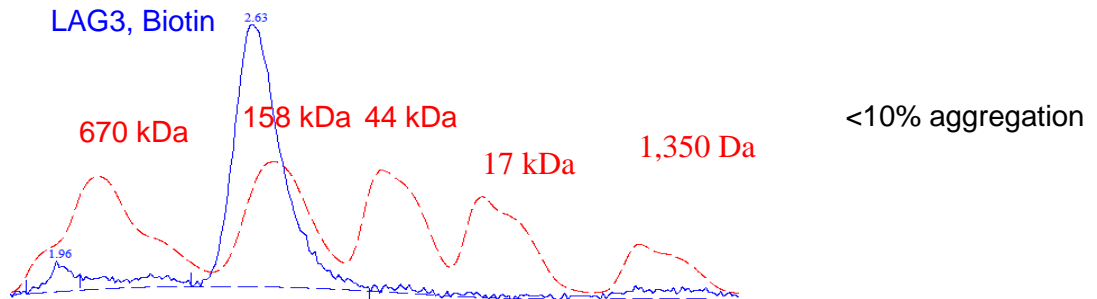
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**Gel Filtration Trace**



**Sequence**

LQPGA EVPVWAQEGAPAQLPCSPTIPLQDLSLLRRAGVTWQHQPDSGPPAAAPG  
 HPLAPGPHPAAPSSWGP RPRRYTVLSVGGGLRSGRLPLQPRVQLDERGRQRGDF  
 SLWLRPARRADAGEYRAAVHLRDRALSCRLRLRLGQASMTASPPGSLRASDWVIL  
 NCSFSRPDRPASVHWFRNRGQGRVPVRES PHHHLAESFLFLPQVSPMDSGPWGCI  
 LTYRDGFNVSIMYNLTVLGLEPPTPLTVYAGAGSRVGLPCRLPAGVGT RSFLTAK  
 WTPPGGGPDL LVTGDNGDFTLRLEDVSQAQAGTYTCHIHLQEQQLNATVTLAIIT  
 VTPKSFSGPSLGKLLCEVTPVSGQERFVWSSLDTPSQRSFSGPWLEAQEAQLLS  
 QPWQCQLYQGERLLGA AVYFTELSSPGAQRSGRAPGALPAGHLIE **I EGRMD PKSC**  
**DKTHTCPPCPAPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVVDVSHEDPEVKF**  
**NWYVDGVEVHNAKTKPREEQYNSTYRVVSVLTVLHQDWLNGKEYKCKVSNKALPA**  
**PIEKTISKAKGQPREPQVYTLPPSRDELTKNQVSLTCLVKGFYPSDIAVEWESNG**  
**QPENNYKTTTPVLDSDGSFFLYSKLTVDKSRWQQGNV FSCSVMHEALHNHYTQKS**  
**LSLSPGKGGGLNDI FEAQKIEWHE**

**Black:** LAG3 (a.a. 23-450)

**Blue:** linker

**Red:** Fc Fusion

**Green:** Avi Tag

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