



# 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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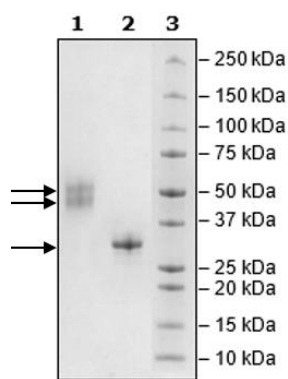
[linkedin.com/company/szaboscandic](https://www.linkedin.com/company/szaboscandic) 

## Product Information

<b>Description:</b>	The FcRn (FCGRT/B2M) blocker (Fc-Tag) is a purified human protein corresponding to the Fc region of an antibody which has been engineered to bind to human neonatal Fc Receptor for IgG (FcRn; FCGRT/B2M) with high affinity. This antibody has been tested for specific binding to human FcRn (BPS Bioscience #71283) and it blocks the binding of FcRn with immunoglobulins G.
<b>Concentration:</b>	0.32 mg/ml
<b>Species:</b>	Human
<b>Formulated In:</b>	8 mM phosphate, pH 7.4, 110 mM NaCl, 2.2 mM KCl, and 20% glycerol
<b>Expression System:</b>	HEK293
<b>Purification:</b>	Protein A affinity
<b>Format:</b>	Aqueous buffer solution
<b>Stability:</b>	At least 12 months at -80°C. Avoid freeze/thaw cycles.
<b>Storage:</b>	-80°C
<b>MW:</b>	51.2 kDa (homo-dimer); Chain: 25.6 kDa
<b>Purity:</b>	≥90%
<b>Assay Conditions:</b>	Assay 1. A 96-well plate was coated overnight at 4°C with 50 µl/well of the FcRn blocker at a concentration of 2 µg/ml, diluted in PBS. The plate was washed 3 times with Immuno Buffer 1 (BPS Bioscience #79311) and blocked with 100 µl of Blocking Buffer 6 for an hour at room temperature. A serial dilution of biotinylated FcRn protein (BPS Bioscience #71283) prepared in Blocking Buffer 6 was added for 30 minutes. After 3 washes, the plate was incubated with Streptavidin-HRP followed by more washes and addition of a colorimetric HRP substrate. After quenching, color intensity was measured at 450 nm. Assay 2. The effect of FcRn (FCGRT/B2M) Blocker was assessed using the Fc(IgG1):FcRn Inhibitor Screening colorimetric kit (BPS Bioscience #78501) using the following conditions: Fc(IgG1) protein at 2 µg/ml, diluted in PBS, serial dilution of FcRn Blocker prepared in blocking buffer, and 1.5 µg/ml of FcRn-Biotin.
<b>Applications:</b>	This product is for research use only. It is not suitable for human diagnostic or therapeutic use.

## Quality Control Data

## 4-20% SDS-PAGE Coomassie Staining



Lane 1: Anti-FcRn (Non-reduced)  
Lane 2: Anti-FcRn (Reduced)  
Lane 3: Protein Marker

Assay 1. FcRn blocker:FcRn-Biotin Binding Assay

Assay 2. Fc(IgG1):FcRn-Biotin Neutralization

