



# 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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## Anti-LAG-3 [G8] Bulk Size Ab04018-10.3-BT

This antibody was created using our proprietary Fc Silent™ engineered Fc domain containing key point mutations that abrogate binding to Fc gamma receptors.

This is a reformatted human IgG1 Fc Silent Fc Silent™ antibody, based on the original human IgG1 format, created for improved compatibility with existing reagents, assays and techniques.

**Isotype and Format:** Human IgG1, Fc Silent™, Kappa

**Clone Number:** G8

**Alternative Name(s) of Target:** Lymphocyte activation gene 3 protein; CD223

**UniProt Accession Number of Target Protein:** P18627

**Published Application(s):** BLI, Blocking, inhibition, ELISA, FC

**Published Species Reactivity:** rhesus macaque, Human

**Immunogen:** The original antibody was isolated from a human antibody phage display library by bio-panning against human LAG-3.

**Specificity:** The antibody binds to human and rhesus macaque LAG-3.

**Application Notes:** The specificity of the original format of the antibody was confirmed by ELISA analysis. The antibody was able to bind LAG-3 expressed at the surface of HEK-293 cells was evaluated by flow cytometry. The antibody showed binding to activated T cells. The antibody bound to cells expressing rhesus LAG-3 on transiently transfected HEK-293 cells. The affinity of the antibody to human LAG-3 was measured using Bio-Layer Interferometry ( $K_d = 0.70$  nM). The antibody showed inhibitory capacity of the binding of LAG-3 to MHC class II in a dose dependent manner, and was able to completely block binding of LAG-3 to MHC-II at high concentrations ( $IC_{50} = 12$  nM). The antibody could block the binding of LAG-3 to MHC class II-expressing Daudi cells in a dose-dependent manner by flow cytometry analysis. The antibody was able reverse exhaustion and restore the activity of T cells to secrete IL-2 and IFN- $\gamma$  upon restimulation at high doses (US20190040136A1).

**Antibody First Published in:** [PMID:](#)

**Note on publication:**

## Product Form

**Size:** 1 mg Purified antibody in bulk size.

**Purification:**

Protein A affinity purified

**Supplied In:** PBS only.

**Storage Recommendation:** Store at 4°C for up to 3 months. Note, this antibody is provided without added preservatives, it is therefore recommended this antibody be handled under sterile conditions. For longer storage, aliquot and store at -20°C.

**Concentration:** 1 mg/ml.

Important note – This product is for research use only. It is not intended for use in therapeutic or diagnostic procedures for humans or animals.