



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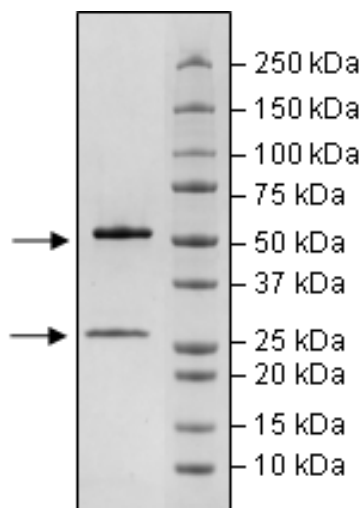
[linkedin.com/company/szaboscandic](https://www.linkedin.com/company/szaboscandic) 

## Product Information

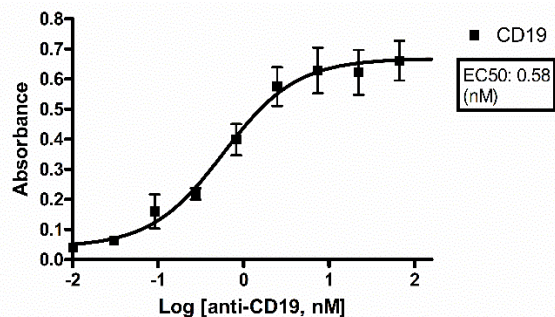
<b>Description:</b>	This purified recombinant monoclonal antibody is a human Anti-CD19 IgG which recognizes CD19 antigen. The variable regions for this antibody are based on an FDA-approved drug. This antibody has been tested for specific binding affinity to purified human CD19 protein (BPS Bioscience, #101015) in a colorimetric ELISA binding assay.
<b>Concentration:</b>	1.53 mg/ml
<b>Species:</b>	Human
<b>Formulated In:</b>	8 mM phosphate pH 7.4, 110 mM NaCl, 2.2 mM KCl, 20% glycerol
<b>Expression System:</b>	Heavy chain (HC) and Light chain (LC) co-expressed in HEK293 cells
<b>Purification:</b>	Protein A affinity purification from HEK293 cells.
<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>	Anti-CD19 HC: ~49.9 kDa; Anti-CD19 LC: ~23.9 kDa
<b>Purity:</b>	≥90%
<b>Assay Conditions:</b>	<p><i>Experimental design and assay protocol for measuring anti CD19 specific binding to CD19 antigen in ELISA assay:</i></p> <p>Purified human his-tagged CD19 was bound to clear 96-well nickel plate overnight in 4°C (1ug/mL). Upon washing and blocking wells for 1 hour at room temp, serial dilutions of anti-CD19 (200 nM to 0nM in 3-fold dilutions) were incubated in each well for 1 hr at room temp (slow shaking). Next, wells were washed and incubated with anti-human IgG-HRP for 1 hour at room temp (slow shaking) then washed again. For detection, the wells were incubated with Colorimetric HRP Substrate (BPS Bioscience #79651) for 1-10 minutes until a blue color developed in the positive control. The reaction was then quenched with equal volume of 1N HCL and absorbance read at 450 nm.</p>
<b>Applications:</b>	The anti-CD19 IgG format antibody can be used for labeling cells expressing CD19 for flow cytometry and immunofluorescence microscopy.

## Quality Control Data

## 4-20% SDS-Page Coomassie Staining



## Binding affinity of Anti-CD19 IgG to target protein in ELISA assay



Purified CD19-His-Tag (1  $\mu\text{g/ml}$ ) was bound to a clear, 96-well, nickel-coated plate. Anti-CD19 (0 - 200 nM) was added and following incubation, the binding affinity was determined using a colorimetric detection assay.