



# SZABO SCANDIC

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## Produktinformation



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Diagnostik & molekulare Diagnostik



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- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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## Product Information

<b>Description:</b>	This anti-IL-11 antibody is a purified, recombinant human monoclonal antibody that recognizes human Interleukin-11 (IL-11). This antibody has been tested in a binding assay. This antibody is similar to BI 765423.
<b>Background:</b>	Interleukin 11 (IL-11) is secreted by bone marrow stromal cells (fibroblasts) and by a number of mesenchymal cells. The IL-11 receptor (alpha chain) utilizes gp130 as its signal transducer, which is also a component of other cytokine receptors. The alpha chain of the IL-11 receptor has been identified independently as EtI2. IL-11 promotes primary and secondary immune responses <i>in vitro</i> and <i>in vivo</i> and modulates antigen-specific antibody reactions. IL-11 promotes the proliferation of IL-6-dependent plasmacytoma cell lines in the presence of neutralizing anti-IL-6 antibodies. IL-11 also stimulates the T cell-dependent development of IgG-secreting B cells in spleen cell cultures. IL-11 inhibits the differentiation of pre-adipocytes. It induces the synthesis of some acute phase proteins by hepatocytes. Monoclonal antibodies targeting IL-11 are in clinical trials, such as BI 765423 and 9MW3811, which aim to combat idiopathic pulmonary fibrosis (IPF) and cancer.
<b>Species:</b>	Human
<b>Isotype:</b>	IgG1
<b>Clonality:</b>	Monoclonal
<b>Concentration:</b>	0.94 mg/ml
<b>Expression System:</b>	HEK293
<b>Purity:</b>	≥90%
<b>Format:</b>	Aqueous buffer solution.
<b>Formulated In:</b>	8 mM phosphate, pH 7.4, 110 mM NaCl, 2.2 mM KCl, and 20% glycerol
<b>MW:</b>	Heavy chain: 49 kDa + glycans; Light chain: 23 kDa
<b>Glycosylation:</b>	This antibody runs at a higher MW by SDS-PAGE due to glycosylation.
<b>Stability:</b>	At least 6 months at -80°C.
<b>Storage:</b>	-80°C
<b>Instructions for Use:</b>	Thaw on ice and gently mix prior to use. DO NOT VORTEX. Perform a quick spin before opening. Aliquot into small volumes and flash freeze for long term storage. Avoid multiple freeze/thaw cycles.
<b>Assay Conditions:</b>	A white 96-well plate was precoated with IL-11 protein (MedChem Express #HY-P7031) (100 ng/well). Blocking Buffer 3 (#79743) and PBST were used for blocking and washing steps, respectively. For protein titration a serial dilution of Anti-IL-11 antibody (#102663) at the highest concentration of 4 ng/μl (200 ng/reaction) was prepared in 1x PP-02 Assay Buffer (#82620). Diluted Anti-IL-11 was then added to the wells and plate was incubated at Room Temperature (RT) for 1 hour. The plate was then washed again and incubated with anti-Fc-HRP conjugate diluted 1:1000 in Blocking Buffer 3 for 1 hour at RT. After the final wash, ELISA ECL mix (#79670) was added to each well and chemiluminescence was read.
<b>Applications:</b>	Useful for binding assays.

Quality Control Data

