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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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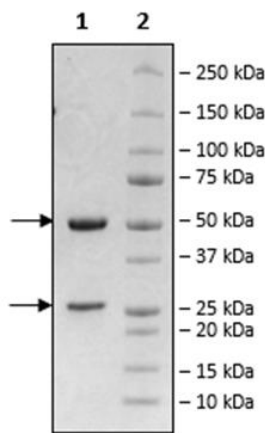
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Product Information

Description:	This anti-IL-36R antibody is a purified, recombinant humanized monoclonal antibody that recognizes the human interleukin-36 receptor (IL-36R), also known as interleukin-1 receptor-like 2 (IL1RL2). This antibody has been tested in a binding assay. This antibody is similar to Spesolimab.
Background:	Interleukin-36 (IL-36) is a member of the IL-1 cytokine family and includes IL-36 α , IL-36 β , and IL-36 γ . The IL-36 receptor (IL-36R), complexed with the IL-1 receptor accessory protein (IL-1RAcP), binds to IL-36 to activate the NF- κ B (nuclear factor kappa B) and MAPK (mitogen-activated protein kinase) signaling pathways. This activity plays a role in innate and adaptive immune responses, namely in psoriasis and inflammatory bowel disease. There is therapeutic potential in the development of monoclonal antibodies and inhibitors for IL-36R. For example, Spesolimab is currently undergoing clinical trials to treat generalized pustular psoriasis (GPP).
Species:	Human
Isotype:	IgG1
Clonality:	Monoclonal
Concentration:	1.01 mg/ml
Expression System:	HEK293
Purity:	$\geq 90\%$
Format:	Aqueous buffer solution.
Formulated In:	8 mM phosphate, pH 7.4, 110 mM NaCl, 2.2 mM KCl, and 20% glycerol
MW:	Heavy chain: 49 kDa + glycans; Light chain: 24 kDa
Glycosylation:	This antibody runs at a higher MW by SDS-PAGE due to glycosylation.
Endotoxin Level:	4.95 EU/mg
Stability:	At least 6 months at -80°C .
Storage:	-80°C
Instructions for Use:	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.
Assay Conditions:	A white 96-well plate was precoated with IL-1RL2 protein (MedChem Express #HY-P70603) (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-36R Antibody (#102719) at the highest concentration of 2 ng/ μl (100 ng/reaction) was prepared in 1x PP-02 Assay Buffer (#82620). Diluted Anti-IL-36R was then added to the wells and incubated at Room Temperature (RT) for 1 hour. The plate was 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.
Applications:	Useful for binding assays.

Quality Control Data

4-20% SDS-PAGE Coomassie Staining



Anti-IL36R:IL-36 Binding Activity

