

## Eculizumab

**Chemical Properties**

CAS No.:	219685-50-4
Formula:	N/A
Molecular Weight:	148000
Appearance:	N/A
Storage:	store at -20°C

**Biological Description**

Description	Eculizumab is a recombinant humanized monoclonal antibody against the complement protein C5
Targets(IC <sub>50</sub> )	Complement protein C5: None
In vivo	A human FcRn (hFcRn) transgenic mouse strain was used to model the PK and PD of surrogate anti-mouse C5 antibodies with eculizumab-derived Fc domains. Preliminary studies showed that the chimeric murine-human antibodies elicited a high frequency of anti-drug antibodies in this mouse strain; therefore, animals were immune-suppressed with a murine anti-CD4 antibody administered in a 500 µg intraperitoneal loading dose at day -3 and weekly maintenance doses of 100 µg. Test articles were administered in a single 1000 µg IV dose on study day 0. Approximately 100 µL of blood was collected from the left retro-orbital sinus on study days -8, 1, 3, 7, 14, 21, 28, and 35. Serum was prepared and PK parameters were determined as described above.

**Solubility Information**

Solubility	< 1 mg/ml refers to the product slightly soluble or insoluble
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.007 mL	0.034 mL	0.068 mL
5 mM	0.001 mL	0.007 mL	0.014 mL
10 mM	0.001 mL	0.003 mL	0.007 mL
50 mM	0.0 mL	0.001 mL	0.001 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

## Reference

1. Sheridan D, et al. Design and preclinical characterization of ALXN1210: A novel anti-C5 antibody with extended duration of action. PLoS One. 2018 Apr 12;13(4):e0195909.

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