

Prezalumab

Cat. No.:	HY-P99414
CAS No.:	1523164-68-2
Target:	Others
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.

BIOLOGICAL ACTIVITY

Description	Prezalumab (AMG 557) is a humanized IgG2 monoclonal antibody targets ICOSL and BAFF. Prezalumab demonstrates beneficial activities on the arthritis of systemic lupus erythematosus. Prezalumab can be used for the research of sjogren's syndrome cutaneous lupus erythematosus, psoriasis and systemic lupus erythematosus (SLE) ^[1] .																						
In Vivo	<p>Prezalumab shows more efficacious effects than single ICOSL or BAFF inhibitor in mouse NZB/NZW lupus model and collagen induced arthritis (CIA) models^[1].</p> <p>Prezalumab reduces B cell in cynomolgus monkeys, same as the pharmacological effect of BAFF inhibition^[1].</p> <p>Pharmacokinetic Properties of Prezalumab in Cynomolgus Monkeys^[1].</p> <table> <tr> <th></th><th>Cynomolgus Monkeys IV 10 mg/kg</th><th>Cynomolgus Monkeys SC 10 mg/kg</th></tr> <tr> <td>C_{max} (µg/mL)</td><td>264</td><td>112</td></tr> <tr> <td>T_{max} (hr)</td><td></td><td>72</td></tr> <tr> <td>AUC_{0-inf} (µg•hr/mL)</td><td>26100</td><td>23800</td></tr> <tr> <td>MRT_{0-inf} (hr)</td><td>138</td><td>144</td></tr> <tr> <td>CL (mL/hr/kg)</td><td>0.388</td><td>0.427</td></tr> <tr> <td>V_{ss} (mL/kg)</td><td>52.1</td><td></td></tr> </table> <p>MCE has not independently confirmed the accuracy of these methods. They are for reference only.</p>			Cynomolgus Monkeys IV 10 mg/kg	Cynomolgus Monkeys SC 10 mg/kg	C _{max} (µg/mL)	264	112	T _{max} (hr)		72	AUC _{0-inf} (µg•hr/mL)	26100	23800	MRT _{0-inf} (hr)	138	144	CL (mL/hr/kg)	0.388	0.427	V _{ss} (mL/kg)	52.1	
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REFERENCES

[1]. Zhang M, et al. Development of an ICOSL and BAFF bispecific inhibitor AMG 570 for systemic lupus erythematosus treatment. Clin Exp Rheumatol. 2019 Nov-

Caution: Product has not been fully validated for medical applications. For research use only.

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