

Emicizumab

Cat. No.:	HY-P9940
CAS No.:	1610943-06-0
Target:	Factor VIII
Pathway:	Metabolic Enzyme/Protease
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.

BIOLOGICAL ACTIVITY

Description	Emicizumab is a bispecific monoclonal antibody that bridges activated factor IX and factor X to replace the function of missing activated factor VIII, thereby restoring hemostasis. Emicizumab can be used for hemophilia A research ^[1] .								
In Vivo	<p>Emicizumab (1.5-10 mg/kg, IV, 24 hours before tail-clip bleeding) partially corrects blood loss in a hemophilia A bleeding model, with an FVIII equivalence of 9 U/dL^[1].</p> <p>Emicizumab (3 mg/kg, IV) provides additive hemostatic activity when given in combination with low-dose FVIII (10 U/dL)^[1]. MCE has not independently confirmed the accuracy of these methods. They are for reference only.</p> <table><tr><td>Animal Model:</td><td>FVIII-deficient mice^[1]</td></tr><tr><td>Dosage:</td><td>1.5-10 mg/kg</td></tr><tr><td>Administration:</td><td>IV, 24 hours before tail-clip bleeding was performed</td></tr><tr><td>Result:</td><td>Significantly reduced blood loss in a tail-clip-bleeding model using FVIII-deficient mice.</td></tr></table>	Animal Model:	FVIII-deficient mice ^[1]	Dosage:	1.5-10 mg/kg	Administration:	IV, 24 hours before tail-clip bleeding was performed	Result:	Significantly reduced blood loss in a tail-clip-bleeding model using FVIII-deficient mice.
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REFERENCES

[1]. Ferrière S, et al. A hemophilia A mouse model for the in vivo assessment of emicizumab function. *Blood*. 2020 Aug 6;136(6):740-748.

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

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