

## Aselizumab

Cat. No.:	HY-P99443
CAS No.:	395639-53-9
Target:	Others
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.

### BIOLOGICAL ACTIVITY

<b>Description</b>	Aselizumab (HuDreg-55) is an humanized IgG4 mAb against L-selectin. However, L-selectin (CD62L) is a cell adhesion molecule expressed on circulating neutrophils. It regulates migrating cells to chemotaxis towards the site of injury. Aselizumab may be account for a high rate of infections and leucopenia after truma <sup>[1][2]</sup> .
<b>IC<sub>50</sub> &amp; Target</b>	L-selectin <sup>[1][2]</sup>
<b>In Vitro</b>	Aselizumab can disulfide with human-mouse monoclonal HuDreg-55 light chain to form dimer <sup>[1]</sup> . Aselizumab (5-500 ng/mL; 25 min) blocks L-selectin-dependent adhesion of human lymphocytes to high endothelial venules in frozen sections of lymph nodes <sup>[3]</sup> . MCE has not independently confirmed the accuracy of these methods. They are for reference only.
<b>In Vivo</b>	Aselizumab (10 mg/kg; i.v.; single dose) shows terminal elimination half-lives at 12.0 days in rhesus monkeys <sup>[3]</sup> . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

### REFERENCES

- [1]. Seekamp A, et al. The effect of anti-L-selectin (aselizumab) in multiple traumatized patients--results of a phase II clinical trial. Crit Care Med. 2004 Oct;32(10):2021-8.
- [2]. Rahman I, et al. L-selectin regulates human neutrophil transendothelial migration. J Cell Sci. 2021 Feb 8;134(3):jcs250340.
- [3]. Co MS, et al. Properties and pharmacokinetics of two humanized antibodies specific for L-selectin. Immunotechnology. 1999 Mar;4(3-4):253-66.

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

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