

Farletuzumab

Cat. No.:	HY-P99153
CAS No.:	896723-44-7
Molecular Weight:	145360
Target:	Antibiotic
Pathway:	Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.

BIOLOGICAL ACTIVITY

Description	Farletuzumab (MORAb-003) is a potent folate receptor-alpha (FR α) inhibitor. Farletuzumab is a humanized monoclonal antibody with high affinity for FR α . Farletuzumab possesses growth-inhibitory functions on cells overexpressing FR α . Farletuzumab can be used in research of cancer ^[1] .								
In Vitro	<p>Farletuzumab (MORAb-003; 0-10 μg/mL; CHO-FR cells) inhibits FRα-dependent cell growth and increases folate EC₅₀ in a dose-dependent manner^[1].</p> <p>Farletuzumab (0.1-100 μg/mL; IGROV-1 cells; 1 h) mediates tumor cytotoxicity via complement dependent cytotoxicity (CDC) and antibody-dependent cell-mediated cytotoxicity (ADCC) in vitro^[1].</p> <p>Farletuzumab (0-10 μg/mL; CHO-FR cells) inhibits phosphorylation of proteins by Lyn kinase, a member of the src family of kinases, thereby, blocking a FRα-mediated signaling pathway^[1].</p> <p>MCE has not independently confirmed the accuracy of these methods. They are for reference only.</p> <p>Cell Cytotoxicity Assay^[1]</p> <table border="1"> <tr> <td>Cell Line:</td> <td>IGROV-1 cells</td> </tr> <tr> <td>Concentration:</td> <td>0.1, 1, 10, and 100 μg/mL</td> </tr> <tr> <td>Incubation Time:</td> <td>1 hours</td> </tr> <tr> <td>Result:</td> <td>Had significant cytotoxicity at IGROV-1 cells.</td> </tr> </table>	Cell Line:	IGROV-1 cells	Concentration:	0.1, 1, 10, and 100 μ g/mL	Incubation Time:	1 hours	Result:	Had significant cytotoxicity at IGROV-1 cells.
Cell Line:	IGROV-1 cells								
Concentration:	0.1, 1, 10, and 100 μ g/mL								
Incubation Time:	1 hours								
Result:	Had significant cytotoxicity at IGROV-1 cells.								

REFERENCES

[1]. Ebel W, et, al. Preclinical evaluation of MORAb-003, a humanized monoclonal antibody antagonizing folate receptor-alpha. Cancer Immun. 2007 Mar 9;7:6.

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA