

## Briobacept

Cat. No.:	HY-P99487
CAS No.:	869881-54-9
Target:	ADC Antibody
Pathway:	Antibody-drug Conjugate/ADC Related
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.

### BIOLOGICAL ACTIVITY

<b>Description</b>	Briobacept (BR 3FC) is a recombinant glycoprotein, consists of 2 molecules from the BLYS receptor (BR3) and a Fc domain of human IgG1. Briobacept selectively targets to BLYS (BAFF), induces B cells apoptosis. Briobacept can be used in studies of rheumatoid arthritis (RA) <sup>[1][2]</sup> .
<b>IC<sub>50</sub> &amp; Target</b>	BLYS (BAFF) <sup>[1]</sup>
<b>In Vitro</b>	Briobacept blocks circulating BLYS, thus inhibiting B cell activation and promoting B cell apoptosis <sup>[3]</sup> . MCE has not independently confirmed the accuracy of these methods. They are for reference only.
<b>In Vivo</b>	Briobacept (100 µg/mouse; i.p.; for 5 d) inhibits basal NF-κB2 activation in wild-type mice <sup>[4]</sup> . Briobacept (100 µg/mouse; i.p.; 3 times per week for 5 weeks) inhibits p52 generation and development of spontaneous lupus-like disease in NZB/WF1 mice <sup>[4]</sup> . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

### REFERENCES

- [1]. Sifuentes Giraldo WA, et al. New targets in systemic lupus (part 2/2). *Reumatol Clin*. 2012 Sep-Oct;8(5):263-9.
- [2]. Liu Yunjie, et al. Research progress on the pathogenesis and drug targeting therapy of B lymphocyte stimulator-induced rheumatoid arthritis. 2011;22(33):3152-3154.
- [3]. La Cava A. Targeting B cells with biologics in systemic lupus erythematosus. *Expert Opin Biol Ther*. 2010 Nov;10(11):1555-61.
- [4]. Kayagaki N, et al. BAFF/BLYS receptor 3 binds the B cell survival factor BAFF ligand through a discrete surface loop and promotes processing of NF-kappaB2. *Immunity*. 2002 Oct;17(4):515-24.

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

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