

Belimumab

Catalogue No.: abx831148

Belimumab is a monoclonal antibody biosimilar expressed in CHO cells, targeting TNFSF13B/CD257, for use in laboratory research applications. This product is not suitable for use as medicines or in human, therapeutic or diagnostic applications.

Belimumab is an intravenous immunosuppressant for the adjunctive treatment of systemic lupus erythematosus (SLE). More specifically, it is a fully human recombinant IgG1 λ monoclonal antibody produced from a recombinant NS0 cell line stably transfected with the belimumab heavy chain and light chain genes. It is the first biological treatment approved for the indication of SLE. Concomitant use with live or inactivated vaccines must be avoided. Belimumab was FDA approved on March 9, 2011. Belimumab consists of 2 heavy chains, and 2 light chains of the lambda subclass. Each heavy chain contains 452 amino acid residues and each light chain contains 214 amino acid residues. There are 3 post-translational modifications: a conserved N-linked glycosylation on the CH2 domain at Asn 303 of the heavy chain, the conversion of the N-terminal glutamine residue of the heavy chain into pyroglutamate, and loss of C-terminal lysine residue of the heavy chain.

Target:	TNFSF13B/CD257
Clonality:	Monoclonal
Reactivity:	Human
Expression:	Recombinant
Tested Applications:	ELISA, WB
Host:	Human
Recommended dilutions:	Optimal dilutions/concentrations should be determined by the end user.
Conjugation:	Unconjugated
Isotype:	IgG ₁ Lambda
Form:	Liquid
Purity:	> 95%
Purification:	Purified from cell culture supernatants by Protein A/G chromatography.
Storage:	Aliquot and store at -20°C. Avoid repeated freeze/thaw cycles.
Buffer:	0.01 M PBS. pH 7.4.
CAS Number:	356547-88-1

Datasheet

Version: 2.0.0

Revision date: 03 Jun 2025



Concentration: Batch-dependent, typically between 0.5-2.0 mg/ml.

Note: THIS PRODUCT IS FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC, THERAPEUTIC OR COSMETIC PROCEDURES. NOT FOR HUMAN OR ANIMAL CONSUMPTION.

For Reference Only