Recombinant Human B-Cell Maturation Antigen (rHuBCMA)

ChemWhat Technical Data Sheet (TDS)

Catalog Number:	103-10
Source:	*Escherichia coli.*
Molecular Weight:	Approximately 5.4 kDa, a single non-glycosylated polypeptide chain containing 50 amino acids.
Quantity:	5μg /20μg /1000μg
AA Sequence:	AGQCSQNEYF DSLLHACIPC QLRCSSNTPP LTCQRYCNAS VTNSVKGTNA
Purity:	> 98 % by SDS-PAGE and HPLC analyses.
Biological Activity:	Fully biologically active when compared to standard. The ED_{50} as determined by its ability to inhibit APRIL-mediated proliferation of anti-IgM stimulated murine B cells is no less than 40 ng/ml, corresponding to a specific activity of > 2.5×10^4 IU/mg in the presence of 100 ng/ml human APRIL.
Physical Appearance:	Sterile Filtered White lyophilized (freeze-dried) powder.
Formulation:	Lyophilized from a 0.2 μm filtered concentrated solution in 30 % acetonitrile, 0.1 % TFA.
Endotoxin:	Less than 1 EU/μg of rHuBCMA as determined by LAL method.
Reconstitution:	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Reconstitute in sterile distilled water or aqueous buffer containing 0.1 % BSA to a concentration of 0.1-1.0 mg/mL. Stock solutions should be apportioned into working aliquots and stored at ≤ -20 °C. Further dilutions should be made in appropriate buffered solutions.
Shipping:	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.
Stability & Storage:	**Use a manual defrost freezer and avoid repeated freeze-thaw cycles.** ● 12 months from date of receipt, -20 to -70 °C as supplied. ● 1 month, 2 to 8 °C under sterile conditions after reconstitution. ● 3 months, -20 to -70 °C under sterile conditions after reconstitution.
Usage:	ChemWhat Limited in UK offers this branded product for research, development or further evaluation purposes. **NOT FOR HUMAN USE**.

Human B-Cell Maturation Antigen

B-Cell Maturation Antigen (BCMA), encoded by the TNFRSF17 gene in humans. It is a member of the TNF receptor superfamily and a type III membrane protein containing one extracellular cysteine rich domain. It is expressed on mature B-cells and other B-cell lines. BCMA can binds to TNFSF13B/BLyS/BAFF and TNFSF13/APRIL, and has functions that promotes B-cell survival, plays a role in the regulation of humoral immunity, and activates NF-kappa-B and JNK BCMA.

CHEMWHAT LIMITED

https://www.chemwhat.com **Email: contact@chemwhat.com**