

Catalog# BP- 50502

## Rituximab Biosimilar (Human CD20 Monoclonal Antibody)

B-lymphocyte antigen CD20 encoded by the MS4A1 gene is an activated-glycosylated phosphoprotein on the surface of all B-cells. The function of the membrane protein is to stimulate B-cell immune response, specifically against T-independent antigens though its natural ligand remains unknown. CD20 is important for the development and differentiation of B-cells into plasma cells. CD20 belongs to the membrane-spanning 4A family with common structural features, similar intron/exon splice boundaries, and unique expression patterns among hematopoietic cells and nonlymphoid tissues.

Rituximab, a chimeric anti-CD20 monoclonal antibody, destroys B cells and is used to treat diseases with excessive numbers of B cells, overactive B cells, or dysfunctional B cells, such as many lymphomas, leukemias, transplant rejection, and autoimmune disorders.

Product Details	
CAS No.	174722-31-7
Species Reactivity	Human
Source	Rituximab biosimilar CHO stable cell line
Isotype	Human IgG1 kappa
Class	Monoclonal
Type	Antibody
Clone	Rituximab Biosimilar
Conjugate	Unconjugated
Immunogen	Human TNF alpha
Purity	>95%
Molecular Weight	143.47 kDa
Protein Concentration	1 mg/ml
Formulation	0.2 µM filtered PBS solution, pH 6.5
Storage conditions	4°C for short time, -20°C or -80°C for long time.