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Datasheet for ABIN7200660

Recombinant anti-MS4A1 (Rituximab Biosimilar) antibody

Overview

Quantity:	1 mg
Target:	MS4A1 (Rituximab Biosimilar)
Reactivity:	Human
Host:	Mouse
Antibody Type:	Recombinant Antibody
Clonality:	Monoclonal
Conjugate:	This MS4A1 (Rituximab Biosimilar) antibody is un-conjugated
Application:	Flow Cytometry (FACS), In vivo Studies (in vivo)

Product Details

Purpose:	Rituximab Biosimilar, CD20 Monoclonal Antibody
Immunogen:	The monoclonal antibody rituximab biosimilar was produced in the Rituximab biosimilar CHO stable cell line.
Clone:	10F381
Isotype:	IgG1 kappa
Specificity:	The monoclonal antibody rituximab biosimilar specifically binds to the human TNF alpha.
Characteristics:	Recombinant Humanized IgG1 Monoclonal Antibody.
Purification:	Protein A affinity column
Purity:	> 95% by SDS-PAGE under reducing conditions and HPLC.
Sterility:	0.2 µm filtered

Product Details

Endotoxin Level: < 1 EU per 1 mg of the protein by the LAL method.

Target Details

Target: MS4A1 (Rituximab Biosimilar)

Abstract: [MS4A1 \(Rituximab Biosimilar\) Products](#)

Target Type: Biosimilar

Background: 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.

Application Details

Application Notes: ELISA, neutralization, functional assays such as bioanalytical PK and ADA assays, and those assays for studying biological pathways affected by rituximab.

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 mg/mL

Buffer: PBS, pH 7.4, no stabilizers or preservatives.

Preservative: Without preservative

Handling Advice: Use a manual defrost freezer and avoid repeated freeze-thaw cycles.

Storage: -20 °C

Storage Comment: 12 months from date of receipt, -20 to -70°C as supplied. 1 month from date of receipt, 2 to 8°C

Handling

as supplied.

Expiry Date:

12 months