

Anti-Complement Factor D Antibody (Lampalizumab)

Introduction

Lampalizumab (RG 7417) is a humanized monoclonal antibody that targets complement factor D (Factor D) in the complement pathway. Lampalizumab binds to the exosite, sterically blocking factor B from entering the active site. Lampalizumab is used in age-related macular degeneration (AMD) research.

Product parameters

Alternative Names	Anti-Factor D, RG7417, 166-32
Target Accession	P00746
Target	Complement Factor D
CAS number	1278466-20-8
Molecular Weight	143.8 kDa
Host	CHO
Reactivity	Human
Conjugation	Unconjugated
Form	Liquid
Concentration	See label
Buffer System	100 mM Pro 20 mM Arg pH 5.0. No preservative!
Clonality	Monoclonal
Purification	Protein A
Isotype	IgG1
Application	ELISA, FACS, Kinetics, Functional assay, Animal Model
Biological activity	Immobilized human Complement Factor D, Fc at 2 ug/mL can bind Anti-Complement Factor D Antibody (Lampalizumab), EC50=0.02371 ug/mL.
Endotoxin	Less than 0.1 EU/ug determined by LAL method.
Sterilization	0.2 µM filtered
Reconstitution	For reconstitution, we recommend adding sterile, distilled water to achieve a final antibody concentration. Gently shake it to solubilize the protein completely. Do not vortex.
Shipping	Dry ice
Storage	-80°C
Expiration Date	2 years
Note	Please avoid freeze-thaw cycles.

Note

1. This product is for scientific research use only.



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