

Eculizumab Biosimilar - Research Grade ICH4005

Product Information

Catalog Number:	ICH4005
Product:	Low endotoxin, biosimilar antibody
Target:	Complement protein C5
Isotype:	IgG2/4 kappa
Other names:	C5
Host:	Humanized
Species Reactivity:	Human
Specificity:	Detects human Complement protein C5. This non-therapeutic antibody uses the same sequence as the therapeutic antibody Eculizumab.
Purification method:	This monoclonal antibody was purified using multi-step affinity chromatography methods such as Protein A or G depending on the species and isotype.
Concentration:	1.0 - 5.0 mg/ml
Formulation:	Sterile, preservative-free, clear and colorless solution with a pH of 7.0, containing sodium dihydrogen phosphate, hydrogen phosphate Disodium, sodium chloride and polysorbate 80 (plant origin). BSA and Azide
Purity:	>95% by SDS-PAGE and HPLC
Endotoxin:	≤ 0.75 EU/mg as determined by the LAL method
Storage:	Stable for at least one week when stored sterile at 2-8°C. For long term storage aseptically aliquot in working volumes without diluting and store at -80°C. Avoid Repeated Freeze Thaw Cycles.

Background:

Eculizumab biosimilar is a recombinant humanized monoclonal IgG2/4κ antibody produced by Chinese hamster ovary cell culture and purified by standard bioprocess technology. Eculizumab biosimilar contains human constant regions from human IgG2 sequences and human IgG4 sequences and murine complementarity-determining regions grafted onto the human framework light- and heavy-chain variable regions. Eculizumab biosimilar is composed of two 448 amino acid heavy chains and two 214 amino acid light chains and has a molecular weight of approximately 148 kDa.