

Cetuximab Biosimilar - Research Grade ICH4004

Product Information

Catalog Number:	ICH4004
Product:	Low endotoxin, biosimilar antibody
Target:	EGFR
Isotype:	IgG1
Other names:	Epidermal growth factor receptor, Proto-oncogene c-ErbB-1, Receptor tyrosine-protein kinase erbB-1, ERBB, ERBB1, HER1
Host:	Humanized
Species Reactivity:	Human
Specificity:	Detects human EGFR. This non-therapeutic antibody uses the same sequence as the therapeutic antibody Cetuximab.
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, transparent, colorless, preservative-free liquid with a pH value of 7.0 to 7.4, which contains Sodium chloride, disodium hydrogen phosphate heptahydrate, sodium dihydrogen phosphate monohydrate. BSA and
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:

Cetuximab biosimilar is a recombinant, human/mouse chimeric monoclonal antibody that binds specifically to the extracellular domain of the human epidermal growth factor receptor (EGFR). Cetuximab biosimilar is composed of the Fv regions of a murine anti-EGFR antibody with human IgG1 heavy and kappa light chain constant regions and has an approximate molecular weight of 152 kDa. Cetuximab biosimilar is produced in mammalian (Chinese Hamster Ovary) cell culture.