

## Aflibercept Biosimilar - Research Grade ICH4015

### Product Information

<b>Catalog Number:</b>	ICH4015
<b>Product:</b>	Low endotoxin, biosimilar protein
<b>Target:</b>	VEGF
<b>Isotype:</b>	IgG1
<b>Other names:</b>	Vascular endothelial growth factor
<b>Host:</b>	Humanized
<b>Species Reactivity:</b>	Human
<b>Specificity:</b>	Detects human VEGF. This non-therapeutic antibody uses the same sequence as the therapeutic antibody Aflibercept.
<b>Purification method:</b>	This monoclonal antibody was purified using multi-step affinity chromatography methods such as Protein A or G depending on the species and isotype.
<b>Concentration:</b>	1.0 - 5.0 mg/ml
<b>Formulation:</b>	Phosphate buffered saline (PBS) pH 7.2, with no carrier protein, potassium or preservatives added. BSA and Azide free.
<b>Purity:</b>	>95% by SDS-PAGE and HPLC
<b>Endotoxin:</b>	≤ 0.75 EU/mg as determined by the LAL method
<b>Storage:</b>	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:

Aflibercept biosimilar is a recombinant fusion protein consisting of portions of human VEGF receptors 1 and 2 extracellular domains fused to the Fc portion of human IgG1 formulated as an iso-osmotic solution for intravitreal administration. Aflibercept biosimilar is a dimeric glycoprotein with a protein molecular weight of 97 kilodaltons (kDa) and contains glycosylation, constituting an additional 15% of the total molecular mass, resulting in a total molecular weight of 115 kDa. Aflibercept biosimilar is produced in recombinant Chinese hamster ovary (CHO) cells.