

# Recombinant Human VEGF Receptors binding domains Fc fragment Region (human IgG1) Protein

Catalog No.: YR0066

## Basic Information

### Molecular Weight

115 kDa

### Endotoxin

<1EU/mg (<0.001EU/μg) Determined by LAL gel clotting assay

### Sterility

0.2 μm filtration

### Aggregation

<5% Determined by SECP

### Purity

>95% Determined by SDS-PAGE

## Background

What is research grade Aflibercept biosimilar? Research grade Aflibercept biosimilar has the same amino acid sequence as Aflibercept (trade name Eylea), a recombinant protein composed of the binding domains of two human vascular endothelial growth factor (VEGF) receptors fused with the Fc region of human immunoglobulin gamma 1 (IgG1). It inhibits vascular endothelial growth factor (VEGF), and is used in the treatment of macular edema following Central Retinal Vein Occlusion (CRVO) and neovascular Age-Related Macular Degeneration (AMD). Aflibercept is a dimeric glycoprotein with a molecular weight of 96.9 kilo Daltons (kDa). Glycosylation adds its molecular weight to 115 kDa in total. Ziv-aflibercept (trade name Zaltrap) was developed as an injection for treatment of metastatic colorectal cancer.

## Reported Applications

ELISA, neutralization, functional assays such as bioanalytical PK and ADA assays, and those assays for studying biological pathways

## Immunogen Information

### Clone

Aflibercept Biosimilar

### Isotype

Human IgG1 Fc

### Immunogen

/

### Recommended Isotype Control(s)

In Vivo Grade Recombinant Human IgG1 Fc Protein

### Recommended Dilution Buffer

1×PBS pH 6.1

## Contact

☎ | 400-999-6126

✉ | [cn.market@abclonal.com.cn](mailto:cn.market@abclonal.com.cn)

🌐 | [www.abclonal.com.cn](http://www.abclonal.com.cn)

## Product Information

### Production

Purified from cell culture supernatant in an animal-free facility

### Purification

Protein A or G purification

### Storage

Store at 2 - 8°C. 2 - 8°C for up to 4 weeks and -80°C for long term storage (Avoid repeated freezing and thawing)