

# Recombinant Human VEGF165

Catalog Number : mly04701

## Characteristics:

|                          |                                                    |
|--------------------------|----------------------------------------------------|
| Source                   | Chinese Hamster Ovary cell line                    |
| Description              | Human VEGF165 (Ala27-Arg191)<br>Accession # P15692 |
| Predicted molecular mass | 19.1kDa                                            |

## Specification:

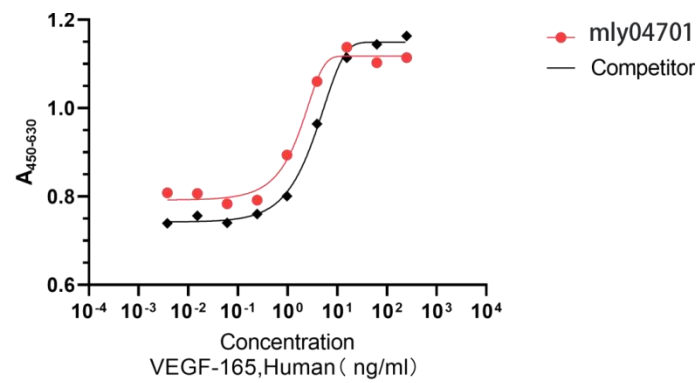
|             |                                                                                                                                            |
|-------------|--------------------------------------------------------------------------------------------------------------------------------------------|
| Appearance  | White powder, Colorless clear liquid after reconstitution                                                                                  |
| Purity      | ≥95%, by SDS-PAGE (under reducing (R) & Non-reducing conditions, visualized by Coomassie staining)                                         |
| Endotoxin   | ≤10 EU/mg by the LAL method                                                                                                                |
| Activity    | Measured in a cell proliferation assay using HUVEC human umbilicveinendothelial cells. The ED <sub>50</sub> for this effect is 0.2-5 ng/mL |
| Formulation | Lyophilized from a 0.22 μm-filtered solution containing PBS, 5% mannitol and 0.01% Tween 80, pH 7.4                                        |
| Size        | 50 μg/vial, 1 mg/vial                                                                                                                      |

## Handling and Storage:

|                     |                                                                                                                                                                                                                                                                                     |
|---------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reconstitution      | It is recommended to redissolve in sterile deionized water.                                                                                                                                                                                                                         |
| Shipping            | The product is shipped with blue ice.                                                                                                                                                                                                                                               |
| Storage & Stability | 36 months at -20°C to -80°C in lyophilized state<br>6 months at -20°C to -80°C under sterile conditions after reconstitution<br>7-10 days at 2°C to 8°C under sterile conditions after reconstitution<br><b>Use a manual defrost freezer and avoid repeated freeze-thaw cycles.</b> |

**Data:**

**Bioactivity**



Recombinant Human VEGF165 (Cat. No. mly04701) stimulates proliferation of HUVEC human umbilicvein endothelial cells. The ED50 for this effect is 0.2-10 ng/mL. mly04701 was higher than the other competing product