

## anti-Human Aflibercept Monoclonal Antibody | anti-VEGFA antibody

Research Grade Aflibercept

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|-------------------------------|----------------------------|
| CATALOG #<br><b>AAA120046</b> | REACTIVITY<br><b>Human</b> |
|-------------------------------|----------------------------|

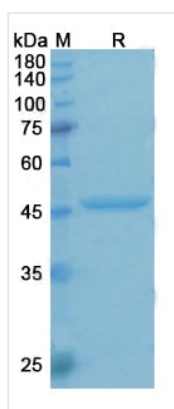
### PRODUCT SYNONYMS

Aflibercept; Monoclonal Antibody; Research Grade Aflibercept; Vascular endothelial growth factor A; VPF; VEGFA; VEGF; Vascular permeability factor; VEGF-A; anti-VEGFA antibody

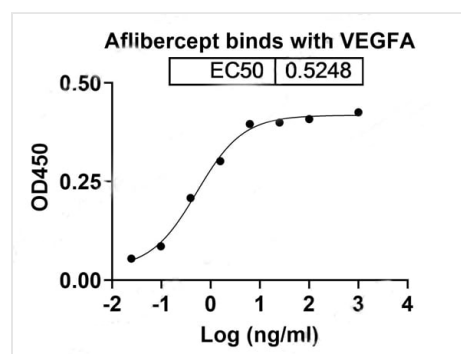
### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                                    |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity              | Human                                                                                                                                                                              |
| Clonality               | Monoclonal                                                                                                                                                                         |
| Isotype                 | IgG1-Fc                                                                                                                                                                            |
| Purity/Purification     | >95%; Protein A or G purified from cell culture supernatant.                                                                                                                       |
| Form/Format             | Liquid. PBS buffer, pH7.4                                                                                                                                                          |
| Concentration           | 1mg/ml (varies by lot)                                                                                                                                                             |
| Host Species            | Human                                                                                                                                                                              |
| CAS                     | 862111-32-8                                                                                                                                                                        |
| Preparation and Storage | Store at +4 degree C short term (1-2 weeks). Store at -20 degree C 12 months. Store at -80 degree C long term. Use a manual defrost freezer and avoid repeated freeze-thaw cycles. |

### IMAGES



SDS-PAGE  
SDS PAGE for Aflibercept



Bioactivity  
Detects Human VEGFA in direct ELISAs.

### ADDITIONAL INFORMATION

|                                                   |                     |
|---------------------------------------------------|---------------------|
| Product Categories/Family for anti-VEGFA antibody | Research Biosimilar |
|---------------------------------------------------|---------------------|

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| References | <p>Aflibercept, Bevacizumab, or Ranibizumab for Diabetic Macular Edema: Two-Year Results from a Comparative Effectiveness Randomized Clinical Trial, PMID: 26935357</p> <p>Aflibercept, bevacizumab or ranibizumab for diabetic macular oedema: recent clinically relevant findings from DRCR.net Protocol T, PMID: 28837425</p> <p>Intravitreal Ziv-Aflibercept: A Comprehensive Review, PMID: 31314638</p> <p>Aflibercept for neovascular age-related macular degeneration, PMID: 26857947</p> <p>SYSTEMIC PHARMACOKINETICS AND PHARMACODYNAMICS OF INTRAVITREAL AFLIBERCEPT, BEVACIZUMAB, AND RANIBIZUMAB, PMID: 28106709</p> |
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NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                |
|----------------------------------|------------------------------------------------------------------------------------------------|
| NCBI GI #                        | 324120930                                                                                      |
| NCBI GeneID                      | 7422                                                                                           |
| NCBI Accession #                 | NP_001191313.1                                                                                 |
| NCBI GenBank Nucleotide #        | NM_001204384.1                                                                                 |
| UniProt Accession #              | P15692; O60720; O75875; Q074Z4; Q16889; B5BU86; H0Y2S8; H0Y407; H0Y414; H0Y462; H0Y8N2; H3BLW7 |
| Molecular Weight                 | 27,042 Da                                                                                      |
| NCBI Official Full Name          | vascular endothelial growth factor A isoform q                                                 |
| NCBI Official Synonym Full Names | vascular endothelial growth factor A                                                           |
| NCBI Official Symbol             | VEGFA                                                                                          |
| NCBI Official Synonym Symbols    | VPF; VEGF; MVCD1                                                                               |
| NCBI Protein Information         | vascular endothelial growth factor A; vascular permeability factor                             |
| UniProt Protein Name             | Vascular endothelial growth factor A                                                           |
| UniProt Gene Name                | VEGFA                                                                                          |
| UniProt Synonym Gene Names       | VEGF; VEGF-A; VPF                                                                              |
| UniProt Entry Name               | VEGFA_HUMAN                                                                                    |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.