

# Vascular endothelial growth factor A Polyclonal Conjugated Antibody

Catalog No: #C42500

Orders: [order@signalwayantibody.com](mailto:order@signalwayantibody.com)Support: [tech@signalwayantibody.com](mailto:tech@signalwayantibody.com)

Package Size: #C42500-AF350 100ul #C42500-AF405 100ul #C42500-AF488 100ul

#C42500-AF555 100ul #C42500-AF594 100ul #C42500-AF647 100ul

#C42500-AF680 100ul #C42500-AF750 100ul #C42500-Biotin 100ul

## Description

|                       |  |
|-----------------------|--|
| Product Name          | Vascular endothelial growth factor A Polyclonal Conjugated Antibody  |
| Host Species          | Rabbit   |
| Clonality             | Polyclonal   |
| Species Reactivity    | Hu Ms Rt   |
| Specificity           | The antibody detects endogenous level of total Vascular endothelial growth factor A polyclonal antibody.   |
| Immunogen Description | Recombinant rat Vascular endothelial growth factor A protein   |
| Conjugates            | Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750   |
| Other Names           | Vascular permeability factor, Vegfa, Vegf  |
| Accession No.         | Swiss-Prot#:P16612   |
| Uniprot               | P16612   |
| GeneID                | 83785;   |
| Excitation Emission   | AF350: 346nm/442nm<br>AF405: 401nm/421nm<br>AF488: 493nm/519nm<br>AF555: 555nm/565nm<br>AF594: 591nm/614nm<br>AF647: 651nm/667nm<br>AF680: 679nm/702nm<br>AF750: 749nm/775nm |
| Calculated MW         | 26   |
| Formulation           | 0.01M Sodium Phosphate, 0.25M NaCl, pH 7.6, 5mg/ml Bovine Serum Albumin, 0.02% Sodium Azide  |
| Storage               | Store at 4°C in dark for 6 months  |

## Application Details

Suggested Dilution:

AF350 conjugated: most applications: 1: 50 - 1: 250

AF405 conjugated: most applications: 1: 50 - 1: 250

AF488 conjugated: most applications: 1: 50 - 1: 250

AF555 conjugated: most applications: 1: 50 - 1: 250

AF594 conjugated: most applications: 1: 50 - 1: 250

AF647 conjugated: most applications: 1: 50 - 1: 250

AF680 conjugated: most applications: 1: 50 - 1: 250

AF750 conjugated: most applications: 1: 50 - 1: 250

## Background

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Growth factor active in angiogenesis, vasculogenesis and endothelial cell growth. Induces endothelial cell proliferation, promotes cell migration, inhibits apoptosis and induces permeabilization of blood vessels. Binds to the FLT1/VEGFR1 and KDR/VEGFR2 receptors, heparan sulfate and heparin. May play a role in increasing vascular permeability during lactation, when increased transport of molecules from the blood is required for efficient milk protein synthesis.

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Note: This product is for in vitro research use only