

# Anti-VEGFA Antibody

Catalog # AP96116

## Product Information

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|                   |                        |
|-------------------|------------------------|
| Application       | WB, FC                 |
| Primary Accession | <a href="#">P15692</a> |
| Reactivity        | Human                  |
| Host              | Mouse                  |
| Clonality         | Monoclonal             |
| Calculated MW     | 43597                  |

## Additional Information

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|--------------------|---------------------------------------------------------------------------------------|
| Gene ID            | 7422                                                                                  |
| Other Names        | VEGF; Vascular endothelial growth factor A; VEGF-A; Vascular permeability factor; VPF |
| Target/Specificity | Recombinant fusion protein of human VEGFA expressed in E. Coli                        |
| Dilution           | WB~~WB (1/500 - 1/1000) FC~~FC (1/100 - 1/200)                                        |
| Format             | Mouse IgG1. Liquid in PBS, pH 7.3, 30% glycerol, and 0.01% sodium azide.              |
| Storage            | Store at -20 °C.Stable for 12 months from date of receipt                             |

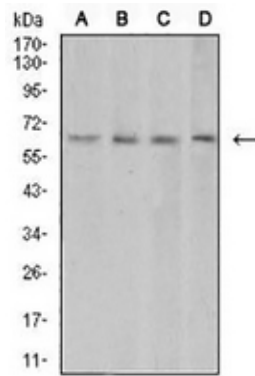
## Protein Information

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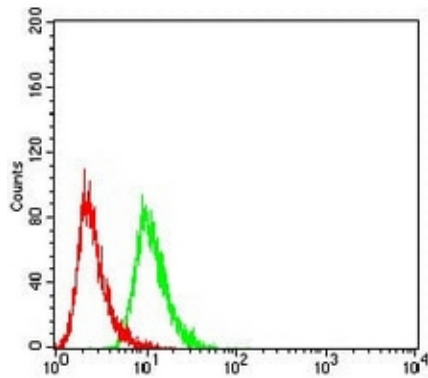
|                   |                                                                                                                                                                                                                                                                          |
|-------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Name              | VEGFA                                                                                                                                                                                                                                                                    |
| Synonyms          | VEGF                                                                                                                                                                                                                                                                     |
| Function          | [N-VEGF]: Participates in the induction of key genes involved in the response to hypoxia and in the induction of angiogenesis such as HIF1A (PubMed: <a href="#">35455969</a> ). Involved in protecting cells from hypoxia- mediated cell death (By similarity).         |
| Cellular Location | [N-VEGF]: Cytoplasm. Nucleus. Note=Cytoplasmic in normoxic conditions and localizes to the nucleus under hypoxic conditions [Isoform L-VEGF189]: Endoplasmic reticulum. Golgi apparatus. Secreted, extracellular space, extracellular matrix [Isoform VEGF165]: Secreted |
| Tissue Location   | Higher expression in pituitary tumors than the pituitary gland. [Isoform VEGF165]: Widely expressed. [Isoform VEGF206]: Not widely expressed.                                                                                                                            |

## Images

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Western blot analysis of VEGFA expression in HUVEC (A), HEK293 (B), Jurkat (C), HeLa (D) whole cell lysates. (Predicted band size: 27 kD; Observed band size: 65 kD)



Flow cytometric analysis of HeLa cells using Anti-VEGFA Antibody (green) and negative control (red).

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.