

# Product Datasheet

## VEGF Antibody (VEGF/1063)

### NBP2-45235-0.1mg

Unit Size: 0.1 mg

Store at 4C.

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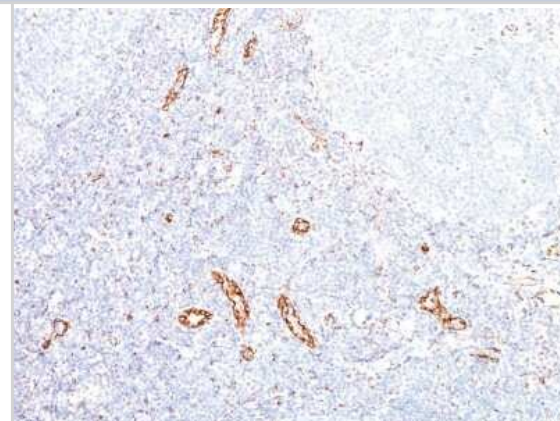
**NBP2-45235-0.1mg**

VEGF Antibody (VEGF/1063)

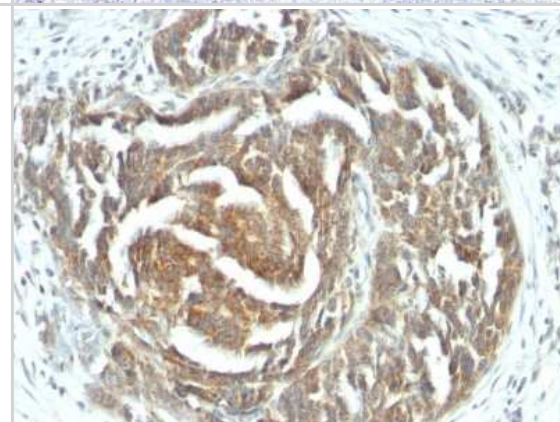
<b>Product Information</b>	
<b>Unit Size</b>	0.1 mg
<b>Concentration</b>	0.2 mg/ml
<b>Storage</b>	Store at 4C.
<b>Clonality</b>	Monoclonal
<b>Clone</b>	VEGF/1063
<b>Preservative</b>	0.05% Sodium Azide
<b>Isotype</b>	IgG1 Kappa
<b>Purity</b>	Protein A or G purified
<b>Buffer</b>	10 mM PBS with 0.05% BSA
<b>Product Description</b>	
<b>Description</b>	200ug/ml of antibody purified from Bioreactor Concentrate by Protein A or G. Prepared in 10 mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0 mg/ml. (NBP3-11437)  Antibody with azide - store at 2 to 8C. Antibody without azide - store at -20 to -80C.
<b>Host</b>	Mouse
<b>Gene ID</b>	7422
<b>Gene Symbol</b>	VEGFA
<b>Species</b>	Human, Mouse, Rat, Canine, Rabbit
<b>Specificity/Sensitivity</b>	This monoclonal antibody recognizes proteins of 19-22kDa (reducing) and 38kDa-44kDa (non-reducing), identified as various isoforms of Vascular Endothelial Growth Factor or Vascular Permeability Factor (VEGF/VPF). It is highly specific to VEGF, which is a homodimeric, disulfide-linked glycoprotein with a close homology to platelet derived growth factor (PDGF). There are multiple isoforms of VEGF containing 206-, 189-, 165-, and 121-amino acid residues. The smaller two isoforms, VEGF165 and VEGF121, are secreted proteins and act as diffusible agents, whereas the larger two remain cell associated. VEGF/VPF plays an important role in angiogenesis, which promotes tumor progression and metastasis.
<b>Immunogen</b>	Human VEGF recombinant protein (Uniprot: P15692)
<b>Product Application Details</b>	
<b>Applications</b>	Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Frozen, Immunohistochemistry-Paraffin
<b>Recommended Dilutions</b>	Immunohistochemistry, Immunocytochemistry/ Immunofluorescence 1-2 ug/ml, Immunohistochemistry-Paraffin 4-8 ug/ml, Immunohistochemistry-Frozen
<b>Application Notes</b>	Immunohistochemistry (Formalin-fixed): 4-8ug/ml for 30 minutes at RT. Staining of formalin-fixed tissues requires heating tissue sections in 1mM EDTA buffer, pH 8.0, for 45 min at 95C followed by cooling at RT for 20 minutes. Optimal dilution for a specific application should be determined. Use in Immunohistochemistry-Frozen reported in scientific literature (PMID: 29570992).

## Images

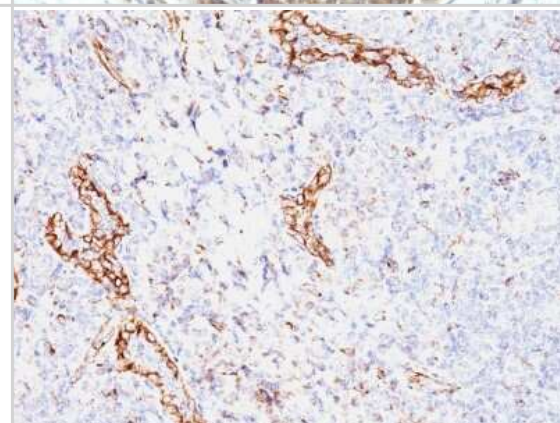
Immunohistochemistry-Paraffin: VEGF Antibody (VEGF/1063) [NBP2-45235] - Human Tonsil stained with VEGF Monoclonal Antibody (VEGF/1063).



Immunohistochemistry-Paraffin: VEGF Antibody (VEGF/1063) [NBP2-45235] - Formalin-fixed, paraffin-embedded human Ovarian Carcinoma stained with VEGF Antibody (VEGF/1063).



Immunohistochemistry-Paraffin: VEGF Antibody (VEGF/1063) [NBP2-45235] - Formalin-fixed, paraffin-embedded human Tonsil stained with VEGF Antibody (VEGF/1063).



## Publications

Safaa A. Hassan, Amal Taha Abou Elghait, Zainab S. Abdelqader, Fatma Y. Meligy Therapeutic efficiency of adipose-derived mesenchymal stem cells in healing of experimentally induced gastric ulcers in rats *Anatomy & Cell Biology* 2021-10-01 [PMID: 34290152]

Wang Y, Zhang X, Hua Z et al. Blood Oxygen Level-Dependent Imaging and Intravoxel Incoherent Motion MRI of Early Contrast-Induced Acute Kidney Injury in a Rabbit Model *Kidney Blood Press. Res.* 2019-06-28 [PMID: 31256149] (IF/IHC, Rabbit)

Longchamp A, Mirabella T, Arduini A et al. Amino Acid Restriction Triggers Angiogenesis via GCN2/ATF4 Regulation of VEGF and H2S Production. *Cell.* 2018-03-22 [PMID: 29570992] (IHC-Fr)



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### **Products Related to NBP2-45235-0.1mg**

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HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-43319-0.5mg	Mouse IgG1 Kappa Isotype Control (P3.6.2.8.1)
NB100-2381PEP	VEGF Antibody Blocking Peptide

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### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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