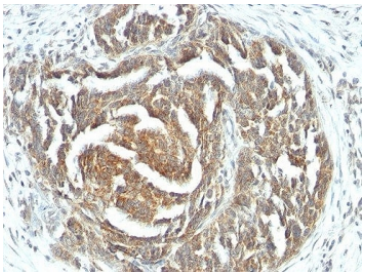
VEGF Antibody / VEGFA [clone VEGF/1063] (V2925)

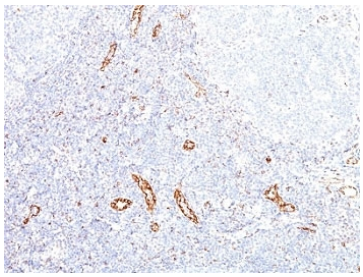
Catalog No.	Formulation	Size
V2925-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V2925-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V2925SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

Bulk quote request

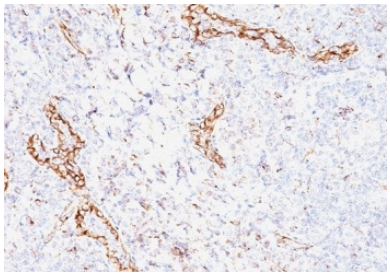
Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Host	Mouse
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG1, kappa
Clone Name	VEGF/1063
Purity	Protein G affinity chromatography
UniProt	P15692
Localization	Cytoplasmic, cell surface and extracellular (secreted)
Applications	Immunohistochemistry (FFPE) : 1-2ug/ml for 30 min at RT
Limitations	This VEGF antibody is available for research use only.



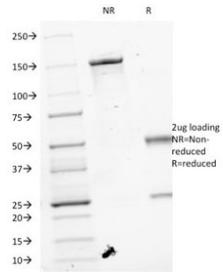
VEGF Antibody Human Ovarian Cancer IHC. Immunohistochemical staining of FFPE human ovarian carcinoma tissue using VEGF Antibody (clone VEGF/1063). An HRP-conjugated secondary antibody with DAB substrate was used for detection. VEGF Antibody / VEGFA demonstrates strong cytoplasmic staining in tumor cells, consistent with VEGFA expression associated with tumor angiogenesis, endothelial cell signaling, vascular remodeling, and regulation of the tumor microenvironment.



VEGF Antibody Human Tonsil IHC. Immunohistochemical staining of FFPE human tonsil tissue using VEGF Antibody (clone VEGF/1063). An HRP-conjugated secondary antibody with DAB substrate was used for detection. VEGF Antibody / VEGFA demonstrates VEGF expression in vascular structures and stromal-associated cells, consistent with the role of VEGFA in endothelial cell signaling, angiogenesis regulation, vascular remodeling, and tissue homeostasis.



VEGF Antibody Human Tonsil Vasculature IHC. Immunohistochemical staining of FFPE human tonsil tissue using VEGF Antibody (clone VEGF/1063). An HRP-conjugated secondary antibody with DAB substrate was used for detection. VEGF Antibody / VEGFA demonstrates prominent staining of vascular and stromal-associated structures, consistent with VEGFA expression in endothelial signaling, angiogenesis regulation, vascular remodeling, and maintenance of tissue microenvironments.



SDS-PAGE Analysis of Purified, BSA-Free VEGF Antibody (clone VEGF/1063). Confirmation of Integrity and Purity of the Antibody.

Description

VEGF Antibody / VEGFA recognizes vascular endothelial growth factor A (VEGFA), a secreted growth factor that plays a central role in angiogenesis, endothelial cell regulation, and vascular remodeling. VEGFA binds VEGF receptors on endothelial cells, primarily VEGFR1 and VEGFR2, activating signaling pathways that promote endothelial proliferation, migration, survival, and increased vascular permeability. These functions are critical for normal blood vessel development, wound healing, and tissue repair, while abnormal VEGFA activity contributes to disease-associated angiogenesis. VEGF Antibody / VEGFA is commonly used to study vascular signaling, endothelial biology, and mechanisms controlling new blood vessel formation.

VEGFA is one of the most extensively investigated regulators of tumor angiogenesis. Hypoxia-driven signaling through HIF transcription factors increases VEGFA expression, enabling tumors to stimulate vascular growth within the surrounding microenvironment. Increased VEGFA activity has been associated with tumor progression, metastatic potential, and altered interactions between cancer cells, endothelial cells, and stromal components. This mouse monoclonal VEGF Antibody / VEGFA (clone VEGF/1063) provides researchers with a tool for detecting VEGFA expression in studies of cancer biology, angiogenic signaling, and tumor-associated vascular remodeling.

In addition to its importance in oncology, VEGFA contributes to cardiovascular biology, inflammation, tissue regeneration, and vascular homeostasis. VEGFA-mediated signaling regulates endothelial barrier function, vascular permeability, and communication between endothelial cells and surrounding tissues. Multiple VEGFA isoforms generated by alternative splicing further influence receptor interactions, tissue localization, and biological activity, making VEGFA a key target across many areas of biomedical research.

For additional information about VEGF biology, validated applications, and related products, learn more about our VEGF Antibody, an Angiogenesis Growth Factor Antibody for investigating endothelial signaling, tumor angiogenesis, vascular remodeling, and VEGF-mediated growth factor pathways.

Application Notes

Optimal dilution of the VEGF antibody should be determined by the researcher.

1. Staining of formalin-fixed tissues requires boiling tissue sections in 10mM Tris with 1mM EDTA, pH 8, for 10-20 min followed by cooling at RT for 20 min.

Immunogen

Human recombinant protein was used as the immunogen for the VEGF antibody.

Storage

Store the VEGF antibody at 2-8oC (with azide) or aliquot and store at -20oC or colder (without azide).

Alternate Names

VEGFA Antibody, Vascular Endothelial Growth Factor Antibody, VEGF-A Antibody, Vascular Permeability Factor Antibody, VPF Antibody, Angiogenic Growth Factor Antibody

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