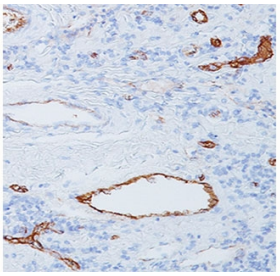
vWF Antibody / von Willebrand Factor [clone 3E2D10] (V2298)

Catalog No.	Formulation	Size
V2298-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V2298-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V2298SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

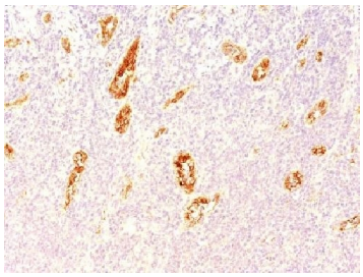
Citations (2)

Bulk quote request

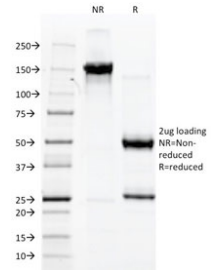
Species Reactivity	Human
Format	Purified
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG1, kappa
Clone Name	3E2D10
Purity	Protein G purified vWF antibody
Gene ID	7450
Localization	Cytoplasmic
Applications	Flow Cytometry : 1-2ug/10^6 cells Immunofluorescence : 1-2ug/ml Western Blot : 1-2ug/ml Immunoprecipitation : 1-2ug/500ug protein lysate Immunohistochemistry (FFPE) : 1-2ug/ml for 30 min at RT
Limitations	This **vWF antibody** is available for research use only.



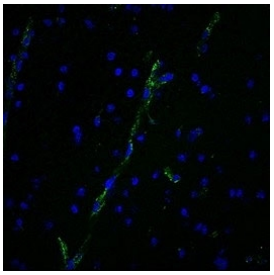
IHC staining of human tonsil with vWF antibody (clone 3E2D10). Staining of formalin-fixed tissues requires boiling tissue sections in pH 9 10mM Tris with 1mM EDTA for 10-20 min followed by cooling at RT for 20 minutes.



IHC testing of FFPE human pancreas tissue with vWF antibody (clone 3E2D10). Staining of formalin-fixed tissues requires boiling tissue sections in pH 9 10mM Tris with 1mM EDTA for 10-20 min followed by cooling at RT for 20 minutes.



SDS-PAGE analysis of purified, BSA-free vWF antibody (clone 3E2D10) as confirmation of integrity and purity.



Immunofluorescent staining of human brain tissue with vWF antibody (clone 3E2D10, green) and DAPI nuclear stain (blue).

Description

vWF antibody clone 3E2D10 is a monoclonal antibody directed against von Willebrand factor, a large multimeric glycoprotein critical for hemostasis and vascular biology. vWF is synthesized by endothelial cells and megakaryocytes, where it mediates platelet adhesion to subendothelial collagen and stabilizes circulating factor VIII. Because of its restricted expression and central role in clotting, vWF is a standard marker of endothelial cells and vascular pathology. NSJ Bioreagents provides vWF antibody clone 3E2D10 for studies of vascular biology, hemostasis, and disease.

vWF antibody clone 3E2D10 produces strong cytoplasmic and extracellular staining in endothelial cells, as well as positive staining in megakaryocytes and platelets. It is widely used in pathology to identify vascular structures in tissues, helping to assess angiogenesis and vascular remodeling. Detection of vWF with this antibody provides a reliable marker for endothelial lineage, often complementing markers such as CD31.

In hematology, vWF antibody clone 3E2D10 supports research into bleeding disorders, particularly von Willebrand disease, the most common inherited bleeding disorder. By detecting vWF expression and distribution, the antibody contributes to studies clarifying how vWF abnormalities affect platelet adhesion and coagulation.

In oncology, vWF antibody clone 3E2D10 has been used to evaluate tumor angiogenesis. Staining of vascular structures with this antibody enables quantification of microvessel density in tumor samples, an important parameter in assessing cancer progression and therapeutic responses to anti-angiogenic treatments.

In cardiovascular research, vWF antibody clone 3E2D10 is applied to studies of thrombosis, atherosclerosis, and vascular injury. Because vWF plays a dual role in both clot formation and vascular repair, its detection provides key insights into vascular pathology and endothelial function.

Validated for tissue and cell-based studies, vWF antibody clone 3E2D10 consistently produces specific staining with minimal background. It is widely cited in vascular biology and pathology literature. Alternate names include von

Willebrand factor antibody, factor VIII related antigen antibody, and endothelial marker vWF antibody.

Application Notes

The concentration stated for each application is a general starting point. Variations in protocols, secondaries and substrates may require the vWF antibody to be titered up or down for optimal performance.

Immunogen

Amino acids 845-949 were used as the immunogen for this vWF antibody.

Storage

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

References (2)