

## ARG42214 anti-vWF antibody [3E2D10]

Package: 50 µg  
Store at: -20°C

### Summary

Product Description	Mouse Monoclonal antibody [3E2D10] recognizes vWF
Tested Reactivity	Hu
Tested Application	FACS, ICC/IF, IHC-P, IP, WB
Host	Mouse
Clonality	Monoclonal
Clone	3E2D10
Isotype	IgG1, kappa
Target Name	vWF
Species	Human
Immunogen	Synthetic peptide corresponding to aa. 845-949 of Human vWF.
Conjugation	Un-conjugated
Alternate Names	VWD; von Willebrand factor; vWF; von Willebrand antigen II; F8VWF

### Application Instructions

Application table	Application	Dilution
	FACS	0.5 - 2 µg/10 <sup>6</sup> cells
	ICC/IF	0.5 - 2 µg/ml
	IHC-P	0.5 - 2 µg/ml
	IP	1 - 4 µg/mg protein lysate
	WB	0.5 - 2 µg/ml
	Application Note Antigen Retrieval: Boil tissue section in 10 mM Tris with 1 mM EDTA (pH 9.0) for 10-20 min, followed by cooling at RT for 20 min. * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

### Properties

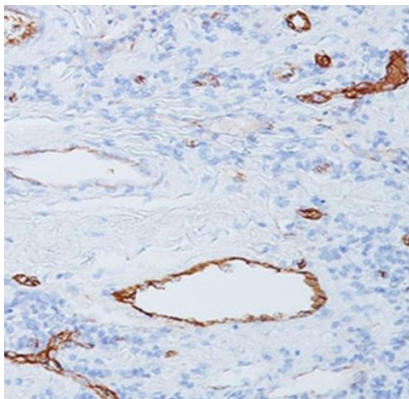
Form	Liquid
Purification	Purification with Protein G.
Buffer	PBS, 0.05% Sodium azide and 0.1 mg/ml BSA.
Preservative	0.05% Sodium azide
Stabilizer	0.1 mg/ml BSA

Concentration	0.2 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

## Bioinformation

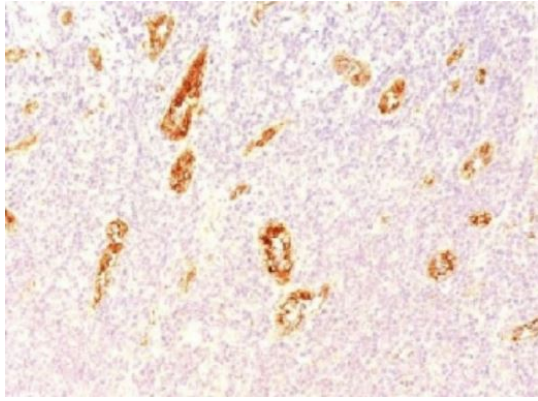
Gene Symbol	VWF
Gene Full Name	von Willebrand factor
Background	This gene encodes a glycoprotein involved in hemostasis. The encoded preproprotein is proteolytically processed following assembly into large multimeric complexes. These complexes function in the adhesion of platelets to sites of vascular injury and the transport of various proteins in the blood. Mutations in this gene result in von Willebrand disease, an inherited bleeding disorder. An unprocessed pseudogene has been found on chromosome 22. [provided by RefSeq, Oct 2015]
Function	Important in the maintenance of hemostasis, it promotes adhesion of platelets to the sites of vascular injury by forming a molecular bridge between sub-endothelial collagen matrix and platelet-surface receptor complex GPIb-IX-V. Also acts as a chaperone for coagulation factor VIII, delivering it to the site of injury, stabilizing its heterodimeric structure and protecting it from premature clearance from plasma. [UniProt]
Calculated Mw	309 kDa
PTM	All cysteine residues are involved in intrachain or interchain disulfide bonds.  N- and O-glycosylated. [UniProt]
Cellular Localization	Secreted. Secreted, extracellular space, extracellular matrix. Note=Localized to storage granules. [UniProt]

## Images



ARG42214 anti-vWF antibody [3E2D10] IHC-P image

Immunohistochemistry: Formalin-fixed and paraffin-embedded Human tonsil tissue. Antigen Retrieval: Boil tissue section in 10 mM Tris with 1 mM EDTA (pH 9.0) for 10-20 min, followed by cooling at RT for 20 min. The tissue section was stained with ARG42214 anti-vWF antibody [3E2D10].



**ARG42214 anti-vWF antibody [3E2D10] IHC-P image**

Immunohistochemistry: Formalin-fixed and paraffin-embedded Human pancreas tissue. Antigen Retrieval: Boil tissue section in 10 mM Tris with 1 mM EDTA (pH 9.0) for 10-20 min, followed by cooling at RT for 20 min. The tissue section was stained with ARG42214 anti-vWF antibody [3E2D10].