

Anti-vWF [F8/86] Bulk Size Ab01314-23.0-BT

Developed in partnership with Ximbio (www.ximbio.com).

This chimeric rabbit antibody was made using the variable domain sequences of the original Mouse IgG1 format, for improved compatibility with existing reagents, assays and techniques.

Isotype and Format: Rabbit IgG, Kappa

Clone Number: F8/86

Alternative Name(s) of Target: von Willebrand factor; von Willebrand antigen 2; von Willebrand antigen II; coagulation factor VIII VWF; factor VIII-related antigen; F8; F8VWF; VWD

UniProt Accession Number of Target Protein: P04275

Published Application(s): FACS, ICC, WB, IHC

Published Species Reactivity: Human

Immunogen: This antibody was raised against von Willebrand factor isolated from human plasma.

Specificity: This antibody recognises human von Willebrand factor (also known as Factor VIII related antigen). It is produced by endothelial cells and megakaryocytes and is involved in the process of hemostasis by engaging in adhesion of platelets to the sites of vascular injury. Mutations in this gene lead to Von Willebrand's disease which causes frequent bleeding.

Application Notes: IHC: F8/86 antibody was used in immunohistochemistry experiments to stain against vWF in samples of murine stomach tissue in a study exploring the potential use of mesenchymal cells in myocardium regeneration (Freeman et al., 2015). ICC: This antibody was also used in an attempt to characterise human gingival microvascular endothelial cells where it identified vWF via immunocytochemical staining (DeCarlo et al., 2008). FACS: Another group has successfully used F8/86 antibody in a cell sorting procedure in a study which analysed the influence of physical environment on the rat mesenchymal stem cells (Xue et al., 2017).

Antibody First Published in: Naiem et al. The value of immunohistological screening in the production of monoclonal antibodies. *J Immunol Methods*. 1982;50(2):145-60. [PMID:6806388](https://pubmed.ncbi.nlm.nih.gov/6806388/)

Note on publication: This article describes generation of the anti-vWF antibody and its characterisation by immunohistological labelling.

Product Form

Size:

1 mg Purified antibody in bulk size.

Purification: Protein A affinity purified

Supplied In: PBS only.

Storage Recommendation: Store at 4°C for up to 3 months. Note, this antibody is provided without added preservatives, it is therefore recommended this antibody be handled under sterile conditions. For longer storage, aliquot and store at -20°C.

Concentration: 1 mg/ml.

Important note - This product is for research use only. It is not intended for use in therapeutic or diagnostic procedures for humans or animals.