SZABO SCANDIC

Part of Europa Biosite

Produktinformation

- Forschungsprodukte & Biochemikalien
- Zellkultur & Verbrauchsmaterial
- Diagnostik & molekulare Diagnostik
- Laborgeräte & Service

Weitere Information auf den folgenden Seiten!
See the following pages for more information!

Lieferung & Zahlungsart

siehe unsere Liefer- und Versandbedingungen

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Anti-Factor VIII [KM33] Bulk Size Ab04008-10.3-BT

This antibody was created using our proprietary Fc Silent™ engineered Fc domain containing key point mutations that abrogate binding to Fc gamma receptors.

This is a reformatted human IgG1 Fc Silent Fc Silent™ antibody, based on the original human scFv format, created for improved compatibility with existing reagents, assays and techniques.

Isotype and Format: Human IgG1, Fc Silent™, Kappa
Clone Number: KM33
Alternative Name(s) of Target: AHF; FVIII; Factor 8; anti-hemophilic factor; Coagulation factor VIII; procoagulant component
UniProt Accession Number of Target Protein: P00451
Published Application(s): functional assay, inhibit, ELISA
Published Species Reactivity: Human
Immunogen: The original antibody was isolated from a human phage display library generated from the peripheral blood of an inhibitor patient and panning the library against factor VIII light chain.
Specificity: This antibody binds the C1 domain of the human factor VIII, a glycoprotein involved in blood coagulation. Factor VIII acts as a cofactor for factor IXa which converts factor X to the activated form Xa in the presence of calcium and phospholipids. Defects in the F8 gene, which encodes Factor VIII, result in the coagulation disorder hemophilia A.
Application Notes: The scFv version of this antibody was capable of inhibiting factor VIII activity with inhibition titre of 97 BU/mg. The scFv antibody binds human factor VIII light chain with a binding affinity of Kd= 0.1 nM. It was reported that scFv KM33 inhibits the procoagulant activity of factor VIII, although its epitope is located outside region R1803-K1818 (PMID: 11159524). It was reported that the presence of this antibody completely inhibited FVIII endocytosis by both monocyte and bone marrow derived mouse dendritic cells (PMID: 21962992). It was reported that this antibody inhibits FVIII activity and interactions with its physiological ligands, von Willebrand factor, phospholipids and catabolic receptors in vitro (PMID: 11159524; Limburg V et al., 2005).
Antibody First Published in: van den Brink et al. Multiple VH genes are used to assemble human antibodies directed toward the A3-C1 domains of factor VIII. Blood. 2001 Feb 15;97(4):966-72. PMID:11159524
Note on publication: Describes the generation and epitope mapping of antibodies against A3 domain of factor VIII.

Product Form

Size: 1 mg Purified antibody in bulk size.
Purification: Protein A affinity purified
Supplied In: PBS only.
Storage Recommendation: Store at 4^{o}C for up to 3 months. Note, this antibody is provided without added preservatives, it is therefore recommed this antibody be handled under sterile conditions. For longer storage, aliquot and store at -20^{o}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.