OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850
UNITED STATES
Phone: +1-888-267-4436
Fax: +1-301-340-8606
techsupport@origene.com

OriGene Technologies GmbH
Schillerstr. 5
32052 Herford
GERMANY
Phone: +49-5221-34606-0
Fax: +49-5221-34606-11
info-de@origene.com

# BM2633 Monoclonal Antibody to Coagulation factor VIII (F8) - Ascites

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| **Alternate names:** | AHF, Antihemophilic factor, F8C, Procoagulant component |
| **Quantity:** | 1 ml |
| **Background:** | Factor VIII, along with calcium and phospholipid, acts as a cofactor for factor IXa when it converts factor X to the activated form, factor Xa. It is an extracellular factor. Defects in F8 are the cause of hemophilia A (HEMA). HEMA is a common recessive X linked coagulation disorder. The frequency of hemophilia A is 1-2 in 10,000 male births in all ethnic groups. About 50% of patients have severe hemophilia A with F8C activity less than 1% of normal; they have frequent spontaneous bleeding into joints, muscles and internal organs. Moderately severe hemophilia A occurs in about 10% of patients; F8C activity is 2-5% of normal, and there is bleeding after minor trauma. Mild hemophilia A, which occurs in 30-40% of patients, is associated with F8C activity of 5-30% and bleeding occurs only after significant trauma or surgery. Of particular interest for the understanding of the function of F8C is the category of CRM (cross-reacting material) positive patients (approximately 5%) that have considerable amount of F8C in their plasma (at least 30% of normal), but the protein is nonfunctional; i.e., the F8C activity is much less than the plasma protein level. CRM reduced is another category of patients in which the F8C antigen and activity are reduced to approximately the same level. Most mutations are CRM negative, and probably affect the folding and stability of the protein. |
| **Uniprot ID:** | P00451 |
| **NCBI:** | NP_000123.1 |
| **GeneID:** | 2157 |
| **Host / Isotype:** | Mouse / IgG2a |
| **Clone:** | 104 |
| **Immunogen:** | Purified human Factor VIII |
| **Format:** | **State:** Liquid ascites<br>**Buffer System:** 0.09 % Sodium Azide as preservative |
| **Applications:** | Suitable for use in ELISA and Western blot to detect and quantitate human Factor VIII. Functional assays.<br>Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user. |
| **Specificity:** | Recognizes an epitope in the N-terminal region of the 83 kDa light chain of Factor VIII. Does not cross-react with von Willebrand factor.<br>**Species:** Human.<br>Other species not tested. |
| **Add. Information:** | This antibody can inhibit Factor VIII activity in coagulation assays. |

**Storage:**

Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20 °C to - 70 °C for longer.
Avoid repeated freezing and thawing.
Shelf life: one year from despatch.