Monoclonal mouse anti-D-dimer

Product Summary

MAbs:
DD1, DD2,DD4, DD5, DD22, DD44, DD93
Hybridoma clones have been derived from hybridization of Sp2/0 myeloma cells with spleen cells
of Balb/c mice immunized with homogenized fibrin clot, D-dimer or high molecular weight fibrin degradation products.

Specificity:
All MAbs recognize D-dimer and high molecular weight fibrin degradation products.
DD93 recognizes a cross-linked region of D-dimer.
DD1, DD2, DD22, DD93 do not cross-react with fibrinogen.
DD4, DD5 show cross-reaction with fibrinogen.

MAb Isotypes:
isotypes:
IgG1 for MAbs DD93
IgG2a for MAbs DD1, DD22
IgG2b for MAbs DD2, DD4, DD5

Applications:
Immunoassays for the quantitative determination of D-dimer and high molecular weight fibrin degradation products
All antibodies recognize D-dimer in ELISA. All MAbs recognize D-dimer in Western blotting under non-reducing conditions. DD22 interact with beta-chain of D-dimer in Western blotting under reducing conditions. DD93 interact with gamma-chain of D-dimer in Western blotting under reducing conditions.
Recommended pairs to be used in a sandwich immunoassay for D-dimer detection in human plasma, see pdf
* Due to the cross-reactivity of DD4 with fibrinogen, we strongly recommend to use it as the detection antibody. In a sandwich immunoassay, plasma must be diluted at least two-fold with 10 mM Tris-HCl, pH 7.5, 1 M NaCl, 0.1 % Tween 20 in order to avoid nonspecific binding. Each step in the assay should be followed by an incubation and wash: coating with the capture MAb, addition of the sample and addition of the (conjugated) detection MAb.

Purification:
Protein A chromatography

Presentation:
PBS, pH 7.4, 0.09 % sodium azide (NaN_3)

Storage Conditions:
+4 °C (+2 ... +8 °C allowed)

Material Safety Note:
This product is sold **for research or further manufacturing use only**. Standard Laboratory Practices should be followed when handling this material.
Product contains sodium azide as a preservative. Although the amount of sodium azide is very small appropriate care must be taken when handling this product.

Additional product information:
D-dimer and High Molecular Weight Fibrin Degradation Products Assay Notes

References:
Search D-dimer antibody references from PubMed.

Price: $290.00 - $400.00

Catalog Id: 2-DD1

Product Categories: Blood Coagulation and Anemia, D-dimer
Product Page: https://www.advimmuno.com/product/monoclonal-mouse-anti-d-dimer/

Product Attributes

- Sizes:: 0.2 mg, 0.5 mg
- MAb(s):: DD1, DD2, DD22, DD4, DD5, DD93

Advanced ImmunoChemical, Incorporated | advimmuno.com
562-434-4676 | tech@advimmuno.com | order@advimmuno.com
111 West Ocean Blvd, Landmark Square, 4th Floor, Long Beach, CA 90802