



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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See the following pages for more information!



### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

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## Anti-Fibrin beta-chain [8E5] Standard Size Ab00799-23.0

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:** 8E5

**Alternative Name(s) of Target:** Factor Ia; factor-1a; fibrin; fibrin  $\beta$  chain; fibrin beta-chain; fibrin beta chain; fibrin  $\beta$  chain; Fibrinopeptide B

**UniProt Accession Number of Target Protein:** P02675

**Published Application(s):** ex vivo, in vivo, ELISA, Imaging

**Published Species Reactivity:** Human

**Immunogen:** 8E5 was prepared fusing Sp2/o myeloma cells with spleen cells derived from female BALB/c mice immunized with a synthetic  $\beta$ -fibrin peptide sequence GHRPLDKC conjugated to MB-KLH (maleimidobenzoylated keyhole limpet hemocyanin).

**Specificity:** 8E5 binds to the amino-terminal region of the  $\beta$ -chain of human fibrin at an epitope consisting of GHRPLDKC. Binding is possible in both the monomeric form and the polymeric form of the protein. This peptide sequence is found only in fibrin, and not in its precursor fibrinogen and so there is no cross-reactivity with fibrinogen. Fibrin is a non-globular protein which plays a role in the clotting of blood and circulates as the precursor fibrinogen. Polymerization occurs through the action of the protease thrombin, which results in the active fibrin. Fibrin polymerizes as an insoluble matrix and forms a clot along with platelets over a wound site.

**Application Notes:** The recombinant scFv version of 8E5 retains the same antigen-binding activity of the parent antibody. 8E5 can bind to fibrin in the monomeric and polymeric form, both in vivo and ex vivo. This antibody can also be used for the immunodetection of fibrin in vivo. Standard ELISA and competitive ELISA using the epitope peptide has been conducted with both the parental antibody and the scFv.

**Antibody First Published in:** Song et al. Primary structure and functional expression of heavy- and light-chain variable region genes of a monoclonal antibody specific for human fibrin. Hybridoma. 1997 Jun;16(3):235-41. [PMID:9219033](#)

**Note on publication:** Describes the derivation of the scFv of 8E5 and the determination of the protein sequence of the variable regions.

## Product Form

**Size:** 200 µg Purified antibody.

**Purification:** Protein A affinity purified

**Supplied In:** PBS with 0.02% Proclin 300.

**Storage Recommendation:** Store at 4°C for up to 3 months. 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.