FGA/FGB/FGC
Mouse Anti-Mouse Citrullinated Fibrinogen Immunoglobulin Clone 20B2 mAb

Catalog No.	MON9094	**Quantity:**	100 µg

Alternate Names: fibrinogen alpha chain/fibrinogen, B beta polypeptide.fibrinogen gamma chain

Description: Fibrinogen is a protein produced by the liver which helps stop bleeding by helping blood clots to form. Fibrinogen gets deiminated (conversion from arginin to citrullin) by Peptidyl Arginine Deïminase (PAD) in inflamed joints in patients that develop rheumatoid arthritis. Citrulline, while being an amino acid, is not built into proteins during protein synthesis, as it is not coded for by DNA, yet several proteins are known to contain citrulline. Proteins that normally contain citrulline residues include myelin basic protein (MBP), filaggrin, and several histone proteins, while other proteins, like fibrin and vimentin can get deiminated during cell death and tissue inflammation. Patients with rheumatoid arthritis often (at least 80% of them) develop an immune response against proteins containing citrulline. Although the origin of this immune response is not known, detection of antibodies reactive with citrulline containing proteins or peptides is now becoming an important help in the diagnosis of rheumatoid arthritis.

Gene ID: 14161/14162/99571

Host: Mouse

Immunogen: Deiminated murine fibrinogen peptide.

Isotype: IgG1

Clone: 20B2

Formulation: The antibody has been lyophilized in a 10 mM ammonium bicarbonate buffer.
Recommended antibody concentration: 0.5 mg/ml (when dissolved at 0.5 mg/ml, the BSA concentration will be 1%).
Recommended solvent; 100 mM PBS or Tris-HCl, pH 7.0 - 8.0
Additional sodium azide (up to 0.05%) is recommended for long term storage.
For a 0.5 mg/ml antibody concentration in 1% BSA, dissolve in 200 µl buffer.
NOTE: Be careful opening the vial since the antibody resides in a vacuum.
Precaution: Sodium azide is a poisonous and hazardous substance which should be handled by trained staff only.

Applications: Specificity has been tested in ELISA.
Crossreacts with deiminated human fibrinogen.

Storage & Stability: Dissolve the antibody in and store at 2-8°C.

NOT FOR HUMAN USE. FOR RESEARCH ONLY. NOT FOR DIAGNOSTIC OR THERAPEUTIC USE.

Cell Sciences®
480 Neponset Street
Bldg 12A
Canton, MA 02021

Toll Free: 888-769-1246
Phone: 781-828-0610
Fax: 781-828-0542

E-mail: info@cellsciences.com
Website: www.cellsciences.com