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FGA/FGB/FGC
Mouse Anti-Mouse Citrullinated Fibrinogen IgG (Clone 20B2) mAb

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

Description: Fibrinogen is a protein produced by the liver which helps stop bleeding by helping blood clots to form. Fibrinogen gets deiminated (conversion from arginine to citrulline) 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: Mouse IgG1

Clone: 20B2

Formulation: Lyophilized from a 0.5 mg/ml IgG solution in 10 mM ammonium bicarbonate buffer

Reconstitution: **Centrifuge vial briefly to consolidate product.**
Reconstitute in 200 µl 100 mM PBS or Tris-HCl, pH 7.0 - 8.0.
Addition of sodium azide at 0.05% is recommended for long term storage.

Applications: **ELISA:** suggested dilution 1:2000 - 1:4000
IHC: suggested dilution 1:100 - 1:500
Immunoblot: suggested dilution 1:200 - 1:1000

Storage & Stability: Upon receipt store at -20°C to -80°C for up to 1 year. Upon reconstitution, store at 2-8°C. **Avoid repeated freeze/thaw cycles.**

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