

FGA/FGB/FGC

Mouse Anti-Mouse Citrullinated Fibrinogen Immunoglobulin Clone 23H2 mAb

Catalog No.	MON9096	Quantity:	100 µg
Alternate Names:	fibrinogen alpha chain/fibrinogen, B beta polypeptide.fibrinogen gamma chain		
Description:	<p>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 Deiminase (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.</p>		
Concentration:	0.5 mg/ml		
Gene ID:	14161/14162/99571		
Host:	Mouse		
Immunogen:	Deiminated murine fibrinogen peptide.		
Isotype:	IgG1		
Clone:	23H2		
Formulation:	The antibody is supplied in PBS, pH7.2		
Applications:	<p>Specificity has been tested in ELISA.</p> <p>Crossreact with deiminated human fibrinogen.</p>		
Storage & Stability:	<p>Store at 2-8°C. For prolonged storage add sodium azide to 0.05%. Precaution: Sodium azide is a poisonous and hazardous substance which should be handled by trained staff only.</p>		

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