

Citrullinated Fibrinogen monoclonal antibody, clone 3D1

Catalog # MAB5303

Size 100 ug

Specification

Product Description	Mouse monoclonal antibody raised against synthetic peptide of Citrullinated Fibrinogen.
Immunogen	A synthetic peptide corresponding to mouse Citrullinated Fibrinogen.
Host	Mouse
Reactivity	Mouse
Specificity	<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.</p>
Form	Lyophilized
Isotype	IgG1
Recommend Usage	<p>ELISA (1:2000-1:4000) Immunohistochemistry (1:100-1:500) Western Blot (1:100-1:500) The optimal working dilution should be determined by the end user. Recommended antibody concentration: 0.5 mg/mL.</p>
Storage Buffer	Lyophilized from 10 mM ammonium bicarbonate buffer.
Storage Instruction	<p>Store at 4°C. After reconstitution with deionized water, store at 2-8°C until expiry date.</p>

Applications

- Western Blot

- Immunohistochemistry
- Enzyme-linked Immunoabsorbent Assay