

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human Mindin in direct ELISAs and Western blots.
Source	Monoclonal Mouse IgG ₁ Clone # 331620
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	Mouse myeloma cell line NS0-derived recombinant human Mindin Glu32-Val331 Accession # AAH36341
Conjugate	Alexa Fluor 594 Excitation Wavelength: 590 nm Emission Wavelength: 617 nm
Formulation	Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% Sodium Azide
*Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions.	

APPLICATIONS

Please Note: Optimal dilutions should be determined by each laboratory for each application. [General Protocols](#) are available in the Technical Information section on our website.

Western Blot Optimal dilution of this antibody should be experimentally determined.

PREPARATION AND STORAGE

Shipping	The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.
Stability & Storage	Protect from light. Do not freeze. 12 months from date of receipt, 2 to 8 °C as supplied

BACKGROUND

Mindin, also known as Spondin-2 and DIL-1 (Differentially expressed in cancerous and non-cancerous lung cells 1) belongs to the F-spondin family of secreted extracellular matrix proteins. Family members are characterized by two N-terminal F-spondin domains (FS1 and FS2), and a third C-terminal thrombospondin type I repeat (TSP-1). Secreted Mindin exists as a disulfide-linked dimer that also forms higher order oligomers. It functions as a pattern recognition receptor for microbes and an adhesion molecule for neurons. Mindin is secreted by neurons, macrophages and fibroblasts in a variety of tissues. Human Mindin shares 88% amino acid sequence homology with mouse and rat proteins.

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