

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human Chondromodulin-1 in direct ELISAs and Western blots.
Source	Monoclonal Mouse IgG _{2B} Clone # 394002
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	Mouse myeloma cell line NS0-derived recombinant human Chondromodulin-1 mature chain Glu215-Val333 Accession # NP_001011705.1
Conjugate	Alexa Fluor 488 Excitation Wavelength: 488 nm Emission Wavelength: 515-545 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

Chondromodulin-1 (ChM-1), also known as Lect1, is a type II transmembrane protein that is cleaved intracellularly resulting in the secretion of a 25 kDa molecule. ChM-1 is expressed in avascular cartilage, cardiac valves, and the eye. The antiangiogenic properties of ChM-1 can block tumor progression and the pathological vascularization of cardiac valves. Human ChM-1 shares 89%-92% aa sequence identity with bovine, mouse, rabbit, and rat ChM-1.

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