

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human Aggrecan in direct ELISAs. It specifically recognizes the N-terminal fragment of recombinant human Aggrecan released following cleavage by ADAMTS5.
Source	Monoclonal Mouse IgG _{2B} Clone # 725913
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	KLHG-conjugated human Aggrecan synthetic peptide Leu384-Glu392 Accession # P16112
Conjugate	Alexa Fluor 405 Excitation Wavelength: 405 nm Emission Wavelength: 421 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

Aggrecan, together with type II collagen, makes up to 90% of the dry weight of healthy cartilage. It hydrates the collagen network and thus provides cartilage with its properties of compressibility and elasticity. The N-terminal region of human Aggrecan (residues 20-675) consists of two globular domains (G1 and G2), flanking an interglobular domain (IGD). The IGD contains the cleavage sites for matrix metalloproteinases and aggrecanases.

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