Anti-Human Aggrecan (#23A8)

20150716BB

FOR RESEARCH ONLY! NOT FOR HUMAN USE!

Cat.-no.:	**101-M213**
Size:	100 µg
Lot. No.:	According to product label

Preparation: This antibody was produced from a hybridoma (mouse myeloma fused with spleen cells from a mouse) immunized with Human Aggrecan recombinant protein.

Target Background

Synonyms (Target):	ACAN; AGC1; SEDK; AGCAN; CSPG1; MSK16; CSPGCP

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.

Database References Target

Protein RefSeq:	NP_001126.3
Uniprot ID:	E7ENV9
mRNA RefSeq:	NM_001135.3

Product Specifications

Host	Mouse
Reactivity against	Human
Clonality	Monoclonal Antibody
Clone	(#23A8)
Isotype	IgG2
Label	
Purification	Protein G chromatography
Antigen	recombinant human Aggrecan
Formulation	lyophilized
Reconstitution buffer	PBS (sterile)

Reconstitution: Reconstitute the antibody with 200 µl sterile PBS and the final concentration is 500 µg/ml.

Stability: Lyophilized samples are stable for 2 years from date of receipt when stored at -70°C. Reconstituted antibody can be aliquoted and stored frozen at < -20 °C for at least for six months without detectable loss of activity.

Remarks: This antibody was selected for its ability to detect Aggrecan.

AVOID REPEATED FREEZE AND THAW CYCLES!

Applications

The antibody can be used within the following applications:

WB, IHC (P)

Recommended usage:

WB 1:500 – 1:1000

IHC (Paraffin) 1:40 – 1:100

NOTE: OPTIMAL DILUTIONS SHOULD BE DETERMINED BY EACH LABORATORY FOR EACH APPLICATION!