Datasheet for ABIN2191817

anti-COL2 antibody (CII-C1 epitope)

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Overview

Quantity:	100 µg
Target:	COL2
Binding Specificity:	CII-C1 epitope
Reactivity:	Mouse
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This COL2 antibody is un-conjugated
Application:	Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunohistochemistry (Frozen Sections) (IHC (fro)), Functional Studies (Func), Detection (D), Immunoassay (IA)

Product Details

Clone:	CIIC1
Sterility:	0.2 µm filtered

Target Details

Target:	COL2
Alternative Name:	Collagen Type II (COL2 Products)
Background:	The monoclonal antibody CIICI reacts with the C1 epitope (triple helical position 358-364) of collagen type II. Collagen is a structural protein in bone, cartillage and connective tissue. Collagen type II (CII) is the major collagen of the nucleus pulposa (a component of spine), cartilage and vitreous (a component of the eye). The most commonly used animal model for

Target Details

	rheumatoid arthritis (RA) is the collagen-induced arthritis (CIA). Transfer of collagen type II specific monoclonal antibodies induces an acute form of arthritis (collagen type II antibody induced arthritis, CAIA). The monocolonal antibody CIIC1 has been shown to induce CAIA in naive mice after injection of lipopolysacharide (LPS). However, in combination with the monoclonal antibody M2139, binding to the J1 epitope of CII, the pair of monoclonal antibodies induce arthritis in different strains of mice without any other stimulants. The presence of secondary stimulus, LPS, increases the disease incidence and severity. The monoclonal antibody CIIC1 is cross reactive with rat, bovine, chicken and human CII.

Application Details

Application Notes:	For immunohistology dilutions to be used depend on detection system applied. It is recommended that users test the reagent and determine their own optimal dilutions. The typical starting working dilution is 1:10.
Restrictions:	For Research Use only

Handling

Buffer:	PBS and 0.1 % bovine serum albumin
Storage:	4 °C
Storage Comment:	Product should be stored at 4 °C. Under recommended storage conditions, product is stable for one year.
Expiry Date:	12 months