Collagen II antibody [M2139]

Cat. No. GTX54399

Host	Mouse
Clonality	Monoclonal
Isotype	IgG2b
Applications	WB, ICC/IF, IHC-P, IHC-Fr, ELISA, Neutralizing/Inhibition
Reactivity	Human, Mouse, Rat, Bovine, Chicken

References (2)
Package
50 µg

Applications

Application Note

*Optimal dilutions/concentrations should be determined by the researcher.

Suggested dilution	Recommended dilution
WB	Assay dependent
ICC/IF	Assay dependent
IHC-P	Assay dependent
IHC-Fr	Assay dependent
ELISA	Assay dependent
Neutralizing/Inhibition	Assay dependent

Note : This antibody suppresses the self-assembly of CII into fibrils.

Not tested in other applications.

Calculated MW	142 kDa. (Note)
Product Note	The monoclonal antibody M2139 reacts with the J1 epitope (triple helical position 551-564) of collagen type II. Collagen is a structural protein in bone, cartillage and connective tissue. The monocolonal antibody M2139 has been shown to induce CAIA in naïve mice after injection of lipopolysacharide (LPS). However, in combination with the monoclonal antibody CIIC1, binding to the C1 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.

Properties

Form	Liquid
Buffer	Filter-sterilized PBS, 0.1% BSA
Preservative	No preservatives
Storage	Store as concentrated solution. Centrifuge briefly prior to opening vial. Store at 4ºC.
Concentration	100 µg/ml (Please refer to the vial label for the specific concentration.)
Immunogen	The immunogen corresponding to a region within amino acids 551 and 564 of mouse Collagen II.

For full product information, images and publications, please visit our website.

GeneTex, Inc. (North America)
1-877-436-3839 (Toll-free) 1-949-309-2888 sales@genetex.com

GeneTex International Corporation (Global)
886-3-6208988 886-3-6208989 infoasia@genetex.com

Purification	Protein G purified
Conjugation	Unconjugated
Note	For laboratory research use only. Not for any clinical, therapeutic, or diagnostic use in humans or animals. Not for animal or human consumption. Purchasers shall not, and agree not to enable third parties to, analyze, copy, reverse engineer or otherwise attempt to determine the structure or sequence of the product.

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