anti-Citrullinated Protein, ACC-1
Mouse Monoclonal Antibody to Citrullinated CII
Catalog Number 1041003

INTRODUCTION
Citrullination of proteins is a post translational modification where arginine is converted into citrulline by a family of enzymes called peptidylarginine deiminases (PADs). Proteins are susceptible to citrullination during inflammatory processes and an autoantibody response to citrullinated proteins is a hallmark of Rheumatoid Arthritis.

IMMUNOGEN
Citrullinated collagen type II peptide

CLONE
ACC-1

HOST
Mouse

ISOTYPE
IgG2a

SPECIFICITY
The antibody binds to the triple helical citrullinated C1 epitope of CII. The C1 epitope contains 2 arginines which can be posttranslationally converted to citrulline. This antibody will recognize the 2nd citrulline at position 365. Cross-reactivity is exhibited with denatured CII as well as denatured C1 epitope.

PURITY
Protein A purified

FORM
Liquid

CONCENTRATION
Please see vial label for concentration.

STORAGE
The antibody is stable until the expiry date given on the label if stored at -20 °C. Repeated freezing and thawing should be avoided. Aliquoting is recommended.

EXPIRATION
See Vial Label

REFERENCES

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