anti-Citrullinated Protein, ACC-4
Mouse Monoclonal Antibody to Citrullinated CII
Catalog Number 1041004

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-4

HOST
Mouse

ISOTYPE
IgG1

SPECIFICITY
The antibody binds to the C1 epitope of citrullinated collagen type II as an α-chain peptide. The C1 epitope contains 2 arginines which can be posttranslationally converted to citrulline. This antibody will recognize the 1st citrulline at position 360. Slight cross-reactivity is exhibited with cyclic citrullinated flaggrin peptide (i.e. CCP1).

PURITY
Protein A purified

FORM
Liquid

CONCENTRATION
See vial 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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