

**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 postrationally 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**

Uysal *et al* (2009) J Exp Med 206(2):449

*For research use only.*

