

## Anti-ADAMTS5 Antibody (Monoclonal, 33A47)

Catalog Number: M02802

### About ADAMTS5

ADAMTS5 (A Disintegrin-Like and Metalloproteinase with Thrombospondin Type 1 Motif, 5), is an enzyme that in humans is encoded by the ADAMTS5 gene. ADAMTS5 is a member of the large ADAMTS family of zinc-dependent proteases. The enzyme encoded by this gene contains two C-terminal TS motifs and functions as aggrecanase to cleave aggrecan, a major proteoglycan of cartilage. By somatic cell hybrid analysis, the human ADAMTS5 gene is mapped to chromosome 21. Used mouse models, it is showed that Sdc4 controls a pathway that activates Adamts5 at the chondrocyte cell surface through Erk1/Erk2 activation of Mmp3.

### Overview

Product Name	Anti-ADAMTS5 Antibody (Monoclonal, 33A47)
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-ADAMTS5 Antibody (Monoclonal, 33A47) catalog # M02802. Tested in WB, ICC/IF, Flow Cytometry applications. This antibody reacts with Human, Mouse, Rat.
Application	Flow Cytometry, IF, ICC, WB
Clonality	Monoclonal 33A47
Formulation	Rabbit IgG in stabilizing components, phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. This antibody is supplied in a stabilized formulation. Compatibility with conjugation reactions depends on the chemistry of the conjugation method used. For conjugation methods that are not compatible with the stabilizing components present in this formulation, a carrier-free antibody format is required.
Storage Instructions	Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.
Host	Rabbit
Uniprot ID	Q9UNA0

### Technical Details

Immunogen	Recombinant protein within human ADAMTS5 aa 253-498.
Form	Liquid
Concentration	500 ug/ml
Purification	Protein A affinity purified.
Suggested Dilutions	Western blot, 1:500-2000 Immunocytochemistry/Immunofluorescence, 1:50-200

Flow Cytometry (Fixed), 1:50-200

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