

## Product Datasheet

## Anti-MMP9 Antibody FL490 Conjugate



## Overview

<b>Catalog #</b>	75-100-FL490
<b>Conjugate</b>	FL490 Ex: 491 nm, Em: 515 nm
<b>Isotype</b>	IgG2a
<b>Clone Number</b>	L51/82
<b>Size</b>	200 µL
<b>Concentration</b>	0.5 mg/mL
<b>Host Species</b>	Mouse Monoclonal
<b>Format</b>	Purified by Protein A chromatography
<b>Buffer</b>	PBS with 0.09% azide
<b>Applications</b>	ICC, IHC
<b>Species Reactivity</b>	Human, Mouse, and Rat
<b>Immunogen</b>	Fusion protein amino acids 1-708 (full-length) of rat MMP9 (accession number P50282) produced recombinantly in E. Coli
<b>Molecular Weight</b>	92 and 82 kDa (Pro and Active forms)
<b>Cite this Antibody</b>	Antibodies Inc Cat# 75-100-FL490, RRID: AB_2939372

## Details

<b>Target Description</b>	Matrix Metalloproteinase 9 is encoded by the gene MMP9. MMP9 is a member of the peptidase M10A family. MMP9 may play a role in local proteolysis of the extracellular matrix, leukocyte migration, and bone osteoclastic resorption. MMP9 cleaves type IV and V collagen into large C-terminal three quarter fragments and shorter N-terminal one quarter fragments. MMP9 is expressed in neutrophils. Diseases associated with MMP9 include Metaphyseal Anadysplasia 2 and Metaphyseal Anadysplasia.
<b>Specificity</b>	No cross-reactivity reported
<b>Purification Method</b>	Produced by in vitro bioreactor culture of hybridoma line followed by Protein A affinity chromatography and conjugation of purified mAb. Purified mAbs are >90% specific antibody.
<b>Quality Control Tests</b>	Each new lot of antibody is quality control tested by western blot on rat whole brain lysate and confirmed to stain the expected molecular weight band.

**Storage**

Aliquot and store at  $\leq -20^{\circ}\text{C}$  for long term storage. For short term storage, store at  $2-8^{\circ}\text{C}$ . For maximum recovery of product, centrifuge the vial prior to removing the cap.

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