

Product Datasheet

Anti-MMP9 Antibody FL594 Conjugate



Overview

Catalog #	75-100-FL594
Conjugate	FL594 Ex: 594 nm, Em: 615 nm
Isotype	IgG2a
Clone Number	L51/82
Size	200 µL
Concentration	0.5 mg/mL
Host Species	Mouse Monoclonal
Format	Purified by Protein A chromatography
Buffer	PBS with 0.09% azide
Applications	ICC, IHC
Species Reactivity	Human, Mouse, and Rat
Immunogen	Fusion protein amino acids 1-708 (full-length) of rat MMP9 (accession number P50282) produced recombinantly in E. Coli
Molecular Weight	92 and 82 kDa (Pro and Active forms)
Cite this Antibody	Antibodies Inc Cat# 75-100-FL594, RRID: AB_2939374

Details

Target Description	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.
Specificity	No cross-reactivity reported
Purification Method	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.
Quality Control Tests	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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