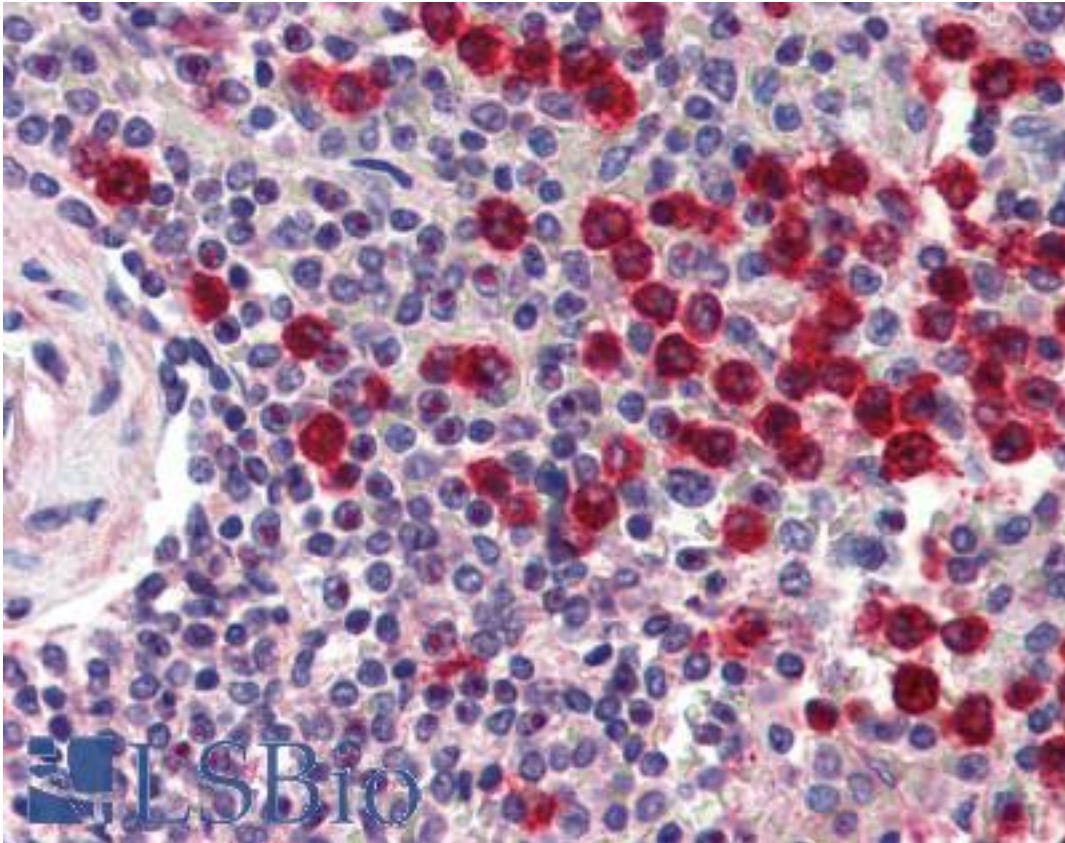


MMP9 / Gelatinase B Mouse anti-Human Monoclonal Antibody - LS-B2572 - LSBio	
CatalogID:	LS-B2572
Validation:	This antibody replaces catalog number LS-C8792. It has been validated for use in the following assays: IHC-P.
Target:	matrix metalloproteinase 9 (gelatinase B, 92kDa gelatinase, 92kDa type IV collagenase) (MMP9)
Synonyms:	MMP9 Antibody, 92kd gelatinase Antibody, 92 kd type iv collagenase Antibody, 92 kDa gelatinase Antibody, 92 kDa type IV collagenase Antibody, Matrix metalloproteinase-9 Antibody, MMP-9 Antibody, Type V collagenase Antibody, CLG4B Antibody, Gelatinase B Antibody, GELB Antibody, Macrophage gelatinase Antibody, MANDP2 Antibody
Family / Subfamily:	Protease / Metalloproteinase M10A
Host	MMP9 antibody was produced in Mouse
Clonality:	Monoclonal
Isotype:	IgG1
Immunogen Species:	MMP9 / Gelatinase B antibody was raised against Human
Immunogen:	MMP9 / Gelatinase B antibody was raised against purified human MMP-9. Cellular Localization: Cytoplasmic. MW of antigen: 92kD (pro form) and ~86kD (active form).
Specificity:	Recognizes human protein of 92kD and 78kD, under non-reducing conditions, which are identified as pro (latent) and activated forms of matrix metalloproteinase 9 (MMP-9; also known as 92kD collagenase IV or gelatinase B). Also reacts with the complex 200kD of MMP-9 and tissue inhibitor of metalloproteinases-1 (TIMP-1). Shows no cross-reactivity with pro and active forms of MMP-2.
Reactivity:	Human
Purification:	Protein G purified
Presentation:	PBS, pH 7.4, 0.09% sodium azide, 0.2% BSA, 40% glycerol.
Recommended Storage:	Long term: -20°C; Short term: +4°C. Avoid repeat freeze-thaw cycles.
Usage Summary:	Immunohistochemistry: LS-B2572 was validated for use in immunohistochemistry on a panel of 21 formalin-fixed, paraffin-embedded (FFPE) human tissues after heat induced antigen retrieval in pH 6.0 citrate buffer. After incubation with the primary antibody, slides were incubated with biotinylated secondary antibody, followed by alkaline phosphatase-streptavidin and chromogen. The stained slides were evaluated by a pathologist to confirm staining specificity. The optimal working concentration for LS-B2572 was determined to be 10 ug/ml. Inhibition of MMP-9 Activity: 2-4 ug/ml (order Ab without sodium azide). Immunoprecipitation (Protein G): 2 ug/mg protein lysate (Native verified). Positive control: Conditioned, serum-free medium from (TPA-treated) human fibrosarcoma HT-1080 cells.
Uses:	IHC - Paraffin (10 µg/ml), IHC - Frozen, Western blot (1 µg/ml), Immunoprecipitation, ELISA (Optimal dilution to be determined by the researcher)
Size:	125 µl
Concentration:	0.1 mg/ml

Immunohistochemistry Image:



Anti-MMP-9 antibody IHC of human spleen. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval. Antibody LS-B2572 concentration 10 ug/ml.

Requested From:

Japan

Laboratory Reagent For In Vitro Research Use Only

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