MMP-11 (Stromelysin-3) Ab-5 (Clone SL3.05)
Mouse Monoclonal Antibody
Cat. #MS-1035-P0, -P1, or -P (0.1ml, 0.5ml, or 1.0ml at 200µg/ml) (Purified with BSA and Azide)
Cat. #MS-1035-P1ABX or -PABX (0.1ml or 0.2ml at 1.0mg/ml) (Purified without BSA and Azide)
Cat. #MS-1035-B0, -B1, or -B (0.1ml, 0.5ml, or 1.0ml at 200µg/ml) (Biotin-labeled Ab with BSA and Azide)
Cat. #MS-1035-R7 (7.0ml) (Ready-to-Use for Immunohistochemistry)
Cat. #MS-1035-PCS (5 Slides) (Positive Control for Histology)
Cat. #MS-1035-PCL (0.1ml) (Positive Control for Western Blot)

Please note this data sheet has been changed effective December 9, 2011

Description: Stromelysin, a member of the matrix metalloproteinase family, demonstrates wide substrate specificity with the ability to degrade proteoglycan, fibronectin, laminin, casein, and the nonhelical region of collagen. The stromelysin-3 (MMP-11) gene was originally identified on the basis that it is expressed specifically in stromal cells surrounding invasive breast carcinomas. MMP-11 is localized by in situ hybridization to the long arm of chromosome 22. The MMP-11 expression is found more specifically in malignant tumors than in benign ones.

Comments: Ab-5 is the preferred antibody for sensitive detection of MMP-11 by Western blotting as well as for staining of routine formalin-fixed, paraffin-embedded tissues.

Mol. Wt. of Antigen: ~60kDa (latent), ~47kDa (active) and ~35kDa (degradation product)

Species Reactivity: Human. Others-not known.

Clone Designation: SL3.05

Ig Isotype / Light Chain: IgG1 / k

Immunogen: Recombinant protein corresponding to active form of human MMP-11.

Applications and Suggested Dilutions:
- Affinity Purification (Not verified)
  (For conjugation, order Ab without BSA)
- Immunoprecipitation (Native verified)
  (Use Protein G) (Ab 2µg/mg protein lysate)
- Western Blotting (0.5-1.0µg/ml for 2hrs at RT)
- Immunohistochemistry (Formalin/paraffin)  
  (Use Ab at 1.0-2.0µg/ml for 30 min at RT)
- [No special pretreatment is required for the immunohistochemistry of formalin/paraffin tissues.]

The optimal dilution for a specific application should be determined by the investigator.


Cellular Localization: Cytoplasmic

Supplied As:
- 200µg/ml of antibody purified from ascites fluid by Protein G chromatography. Prepared in 10mM PBS, pH 7.4, with 0.2% BSA and 0.09% sodium azide. Also available without BSA and azide at 1mg/ml,
- Prediluted antibody which is ready-to-use for staining of formalin-fixed, paraffin-embedded tissues.

Storage and Stability:
Ab with sodium azide is stable for 24 months when stored at 2-8°C. Antibody WITHOUT sodium azide is stable for 36 months when stored at below 0°C.

Suggested References:

Limitations and Warranty:
Our products are intended FOR RESEARCH USE ONLY and are not approved for clinical diagnosis, drug use or therapeutic procedures. No products are to be construed as a recommendation for use in violation of any patents. Lab Vision makes no representations, warranties or assurances as to the accuracy or completeness of information provided on our data sheets and website. Our warranty is limited to the price paid for the product. Lab Vision is not liable for any property damage, personal injury, time or effort or economic loss caused by our products.

Material Safety Data:
This product is not licensed or approved for administration to humans or to animals other than the experimental animals. Standard Laboratory Practices should be followed when handling this material. The chemical, physical, and toxicological properties of this material have not been thoroughly investigated. Appropriate measures should be taken to avoid skin and eye contact, inhalation, and ingestion. The material contains 0.09% sodium azide as a preservative. Although the quantity of azide is very small, appropriate care should be taken when handling this material as indicated above. The National Institute of Occupational Safety and Health has issued a bulletin citing the potential explosion hazard due to the reaction of sodium azide with copper, lead, brass, or solder in the...
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plumbing systems. Sodium azide forms hydrazoic acid in acidic conditions and should be discarded in a large volume of running water to avoid deposits forming in metal drainage pipes.

For Research Use Only

Additional Suggested References: