CELL LAB Mouse Anti-Human MMP-9

For Research Use Only. Not for use in diagnostic procedures.

<table>
<thead>
<tr>
<th>Cat. No.</th>
<th>Form</th>
<th>Quantity</th>
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<tbody>
<tr>
<td>A55719</td>
<td>Purified (UNLB) Antibody</td>
<td>0.1 mg</td>
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DESCRIPTION
Clone: SB15c
Isotype: Mouse IgG2a
Immunogen: Recombinant MMP-9
Specificity: Human MMP-9: Does not cross-react to human MMP-1, MMP-2, or MMP-3

Matrix metalloproteinases (MMPs) are a family of at least 20 structurally related, zinc-containing enzymes that have the ability to breakdown connective tissue. MMP-9 is also known as gelatinase B and 92 kD gelatinase. MMP-9, along with MMP-2, belongs to the gelatinase group of MMP’s which have three repeats of a type II fibronectin domain inserted in the catalytic domain. MMP-9 has shown direct and indirect substrate specificity to collagens IV, V, X and XIV, gelatin, elastin, proteoglycans, plasminogen, aggrecan, galectin-3, entactin, fibrillin, fibrin, IL-1β, amyloid β peptide and myelin basic protein.1-14

APPLICATIONS
- Enzyme-Linked-Immunosorbent-Assay (ELISA)
- Immunohistochemistry (frozen and paraffin embedded sections)

CHARACTERIZATION
To ensure lot-to-lot consistency, each batch of product is tested to conform with characteristics of a standard reference reagent using ELISA.

WORKING DILUTIONS
ELISA: Purified (UNLB) Antibody 1: 3,000-1:8,000
Immunohistochemistry: Purified (UNLB) Antibody ≤2 μg/mL
Other Applications: Since applications vary, determine the optimum working dilution of the product that is appropriate for your specific application.

HANDLING AND STORAGE
- The purified (UNLB) antibody is supplied as 0.1 mg of purified immunoglobulin in 0.2 mL of 100 mM borate buffered saline, pH 8.2. No preservatives or amine-containing buffer salts added.
- Store at 2-8°C.
- Reagent is stable until the expiration date on the vial when stored at 2-8°C.

STATEMENT OF WARNINGS
1. Specimens, samples and all material coming in contact with them should be handled as if capable of transmitting infection and disposed of with proper precautions.
2. Never pipet by mouth and avoid contact of samples with skin and mucous membranes.
3. Do not use reagent beyond the expiration date on the vial label.
4. Avoid microbial contamination of reagent or erroneous results may occur.
5. Use Good Laboratory Practices (GLP) when handling this reagent.
REFERENCES


TRADEMARKS

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For additional information or if damaged product is received, call Beckman Coulter Customer Service at 800-526-7694 (USA or Canada) or contact your local Beckman Coulter Representative.

Manufactured for:
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