Description
Species Reactivity: Human
Specificity: Detects human Cystatin SN in direct ELISAs and Western blots. In direct ELISAs and Western blots, no cross-reactivity with recombinant human (rh) Cystatins A, B, C, D, SA, E/M, rhFetuin A, rhFetuin B, rhHPRG, or rhThrombin is observed.
Source: Monoclonal Mouse IgG<sub>2B</sub> Clone # 213139
Purification: Protein A or G purified from hybridoma culture supernatant
Immunogen: Mouse myeloma cell line NS0-derived recombinant human Cystatin SN Trp21-Ser141 (predicted)
Accession #: P01037
Formulation: Lyophilized from a 0.2 μm filtered solution in PBS with Trehalose. See Certificate of Analysis for details.
*Small pack size (-SP) is supplied either lyophilized or as a 0.2 μm filtered solution in PBS.

Applications
Please Note: Optimal dilutions should be determined by each laboratory for each application. General Protocols are available in the Technical Information section on our website.

<table>
<thead>
<tr>
<th>Sample</th>
<th>Recommended Concentration</th>
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<tbody>
<tr>
<td>Western Blot</td>
<td>1 μg/mL</td>
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<tr>
<td>Immunoprecipitation</td>
<td>25 μg/mL</td>
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Preparation and Storage
Reconstitution: Reconstitute at 0.5 mg/mL in sterile PBS.
Shipping: The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.
*Small pack size (-SP) is shipped with polar packs. Upon receipt, store it immediately at -20 to -70 °C

Stability & Storage: Use a manual defrost freezer and avoid repeated freeze-thaw cycles.
- 12 months from date of receipt, -20 to -70 °C as supplied.
- 1 month, 2 to 8 °C under sterile conditions after reconstitution.
- 6 months, -20 to -70 °C under sterile conditions after reconstitution.

Background
Cystatin SN is a member of family 2 of the cystatin superfamily (1). Together with cystatins S and SA, it is produced by the salivary gland and secreted largely in the submandibular/sublingual saliva (2). Cystatin SN inhibits members of the papain family including cathepsins B, C, H and L (3).

References: