Datasheet: 8330-0009  
BATCH NUMBER 163533

<table>
<thead>
<tr>
<th>Product Details</th>
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</thead>
<tbody>
<tr>
<td><strong>Description:</strong> RAT ANTI HUMAN SOMATOSTATIN</td>
</tr>
<tr>
<td><strong>Specificity:</strong> SOMATOSTATIN</td>
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<tr>
<td><strong>Format:</strong> S/N</td>
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<tr>
<td><strong>Product Type:</strong> Monoclonal Antibody</td>
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<tr>
<td><strong>Clone:</strong> YC7</td>
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<tr>
<td><strong>Isotype:</strong> IgG2b</td>
</tr>
<tr>
<td><strong>Quantity:</strong> 0.2 ml</td>
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</table>

**Applications**

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit [www.bio-rad-antibodies.com/protocols](http://www.bio-rad-antibodies.com/protocols).

<table>
<thead>
<tr>
<th>Application</th>
<th>Yes</th>
<th>No</th>
<th>Not Determined</th>
<th>Suggested Dilution</th>
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</thead>
<tbody>
<tr>
<td>Flow Cytometry</td>
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<tr>
<td>Immunohistology - Frozen</td>
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<tr>
<td>Immunohistology - Paraffin</td>
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<td>ELISA</td>
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<td>Western Blotting</td>
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<td>Immunofluorescence</td>
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Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the product for use in their own system using the appropriate negative/positive controls.

**Target Species**

Human

**Species Cross Reactivity**

Reacts with: Rat, Guinea Pig, Pig, Mouse, Zebrafish

**N.B.** Antibody reactivity and working conditions may vary between species. Cross reactivity is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information.

**Product Form**

Tissue Culture Supernatant - liquid

**Preservative Stabilisers**

0.05% Thiomersal
Immunogen: Somatostatin conjugated to thyroglobulin.

**External Database Links**
- **UniProt:** P61278 Related reagents
- **Entrez Gene:** 6750 SST Related reagents

**Fusion Partners**
Spleen cells from rats immunised with somatostatin conjugated to thyroglobulin were fused with a rat myeloma cell line.

**Specificity**
*Rat anti Human Somatostatin antibody, clone YC7* recognizes somatostatin, a hormone involved in endocrine system regulation through interactions with pituitary growth hormone, thyroid stimulating hormone, and a number of hormones of the gastrointestinal tract. Somatostatin has active 14 amino acid and 28 amino acid forms, produced by alternate cleavage of the gene product.

This antibody does not cross react with enkephalins, other endorphins, substance P, or CGRP. It partially cross reacts with somatostatin fragments.

The epitope recognized by this antibody lies within the 1-14 amino acid sequence of cyclic somatostatin.

**References**

Further Reading

Storage
This product is shipped at ambient temperature. It is recommended to aliquot and store at -20°C on receipt. When thawed, aliquot the sample as needed. Keep aliquots at 2-8°C for short term use (up to 4 weeks) and store the remaining aliquots at -20°C.

Avoid repeated freezing and thawing as this may denature the antibody. Storage in frost-free freezers is not recommended.

Guarantee
12 months from date of despatch

Health And Safety Information
Material Safety Datasheet documentation #10522 available at: https://www.bio-rad-antibodies.com/SDS/8330-0009 10522

Regulatory
For research purposes only

Related Products
Recommended Secondary Antibodies

Rabbit Anti Rat IgG (STAR16...) DyLight®800
Rabbit Anti Rat IgG (STAR17...) FITC
Goat Anti Rat IgG (STAR72...) HRP
Goat Anti Rat IgG (STAR69...) FITC
Goat Anti Rat IgG (STAR73...) RPE
Rabbit Anti Rat IgG (STAR21...) HRP
Goat Anti Rat IgG (MOUSE ADSORBED) (STAR71...) DyLight®550, DyLight®650, DyLight®800
Goat Anti Rat IgG (STAR131...) Alk. Phos., Biotin

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To find a batch/lot specific datasheet for this product, please use our online search tool at: bio-rad-antibodies.com/datasheets
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