**Product Details**

**Description:** RAT ANTI HUMAN SOMATOSTATIN

| Specificity: | SOMATOSTATIN |
| Format: | S/N |
| Product Type: | Monoclonal Antibody |
| Clone: | YC7 |
| Isotype: | IgG2b |
| Quantity: | 0.2 ml |

**Applications**

<table>
<thead>
<tr>
<th>Applications</th>
<th>Yes</th>
<th>No</th>
<th>Not Determined</th>
<th>Suggested Dilution</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flow Cytometry</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Immunohistology - Frozen</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Immunohistology - Paraffin</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ELISA</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Western Blotting</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Immunofluorescence</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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**

<table>
<thead>
<tr>
<th>Target Species</th>
<th>Human</th>
</tr>
</thead>
</table>

**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:**

[UniProt](https://www.uniprot.org/uniprot/P61278)

**Entrez Gene:**

6750 SST

RRID

AB_2195908

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 SafetyDatasheet documentation #10522 available at: https://www.bio-rad-antibodies.com/SDS/8330-0009
10522

**Regulatory**
For research purposes only

**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*