

## Product Data Sheet

### Chemical Properties

<b>Product Name:</b>	Streptavidin-Cy5
<b>Cas No.:</b>	N/A
<b>M.Wt:</b>	N/A
<b>Catalog No.:</b>	K1080
<b>Other Names:</b>	SAv-Cy5
<b>Reactivity:</b>	Human, Mouse, Rat, All Species
<b>Physical Appearance:</b>	Solution. Streptavidin-Cy5 is supplied in phosphate buffered saline (PBS), pH 7.6, containing 1% BSA, 0.1% sodium azide.
<b>Concentration:</b>	0.5 mg/ml. Recommended Dilution: 1:20 to 1:50 dilution with PBS containing 10% normal goat serum. Working dilution for specific application should be determined by individual investigator to obtain the best conditions.
<b>Storage:</b>	Store at 2-8°C. Light exposure should be avoided. Do not freeze.
<b>General tips:</b>	For obtaining a higher solubility, please warm the tube at 37°C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.
<b>Shipping Condition:</b>	Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request

### Biological Activity

<b>Targets :</b>	Biotinylated biomolecules in cells, tissue sections or other fluorescent immunoassays.
<b>Description:</b>	Streptavidin is a 52,800 dalton homotetramer protein. It has an extraordinarily high affinity for biotin, one molecule of streptavidin binds four molecules of biotin by a non-covalent interaction that is essentially irreversible. Streptavidin-Cy5 is useful for the detection of biotinylated antibodies, proteins, nucleic acids or other molecules

in immunohistochemistry (IHC), immunocytochemistry (ICC), immunofluorescence (IF), in situ hybridization (ISH), or flow cytometry. Cy5 is excited maximally at 650 nm, emits maximally at 670 nm.

**Application Notes:**

The average molecular weight of streptavidin-Cy5 is 60 kD and Streptavidin alone is 52 kD.

**Caution**

**FOR RESEARCH PURPOSES ONLY.**

**NOT FOR HUMAN, VETERINARY DIAGNOSTIC OR THERAPEUTIC USE.**

*Specific storage and handling information for each product is indicated on the product datasheet. Most ApexBio products are stable under the recommended conditions. Products are sometimes shipped at a temperature that differs from the recommended storage temperature. Shortterm storage of many products are stable in the short-term at temperatures that differ from that required for long-term storage. We ensure that the product is shipped under conditions that will maintain the quality of the reagents. Upon receipt of the product, follow the storage recommendations on the product data sheet.*

**APEX BIO Technology**

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