

Storage of SYSY Antibodies and Controls

Shipping conditions

All our antibodies and control proteins/peptides are shipped lyophilized (vacuum freeze-dried) and are stable in this form without loss of quality at ambient temperatures for many weeks.

Storage after delivery

Fluorescence-labeled antibodies should be reconstituted immediately upon receipt. Long term storage (several months) may lead to aggregation.

Control peptides: Long term storage should be at -20°C before reconstitution.

Unlabeled and biotin-labeled antibodies and control proteins: Long term storage should be at +4°C before reconstitution! ***They must not be stored in the freezer when still lyophilized!*** Temperatures below zero may cause loss of reactivity.

Reconstitution

For reconstitution add the amount of deionized water given in the respective factsheet. If higher volumes are preferred add water as mentioned above, then add the desired amount of PBS and a stabilizing carrier protein (e.g. BSA) to a final concentration of 2%.

If desired, add small amounts of azide or thimerosal to prevent microbial growth. This is especially recommended if you want to keep an aliquot at +4°C.

After reconstitution of fluorescence-labeled antibodies add 1:1 (v/v) glycerol.

Aliquot the antibody and store frozen (see long term storage).

Avoid too small aliquots since they may dry in the freezer over time.

Long Term Storage after reconstitution

Control proteins/peptides: Store at -20°C up to -80°C

Monoclonal antibodies

Ascites and hybridoma supernatant should be stored at -20°C up to -80°C. ***Prolonged storage at 4°C is not recommended!*** Unlike serum, ascites may contain proteases that will degrade the antibodies.

Purified IgG should be stored at -20°C up to -80°C.

Polyclonal antibodies

Crude antisera: With anti-microbials added, they may be stored at 4°C. Frozen storage (-20°C up to -80°C), however, is preferable.

Affinity purified antibodies: They are less robust than antisera. Storage at -20°C up to -80°C is recommended.

Fluorescence-labeled antibodies: Should be stored liquid with 1:1 (v/v) glycerol at -20°C up to -80°C.

Avoid repeated freeze-thaw cycles for all antibodies!

Product-specific data sheets can be downloaded at
<https://sysy.com/> or <https://sysy-histosure.com/>

