

Antibody Stabiliser Solution

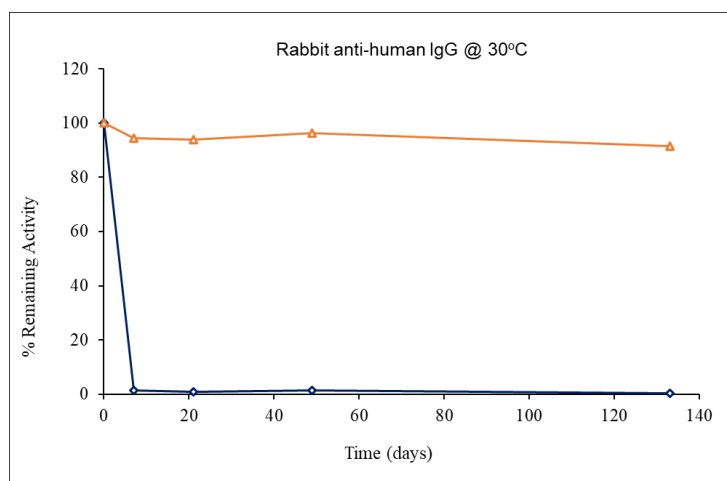
Product Code: PG04

PRODUCT APPLICATION

PG04 stabiliser has been successfully used to stabilise antibodies in solution.

PRODUCT BENEFITS

Increases protein stability at temperatures of 37°C to 50 °C for long term solution storage. Helps with maintaining antibody stability in solution.



PHYSICAL PROPERTIES

Stabiliser	PG04
Appearance	Clear solution
Form supplied	Double concentration liquid in deionised water with preservative added.
Use	Stabilisation of Antibodies
Recommended Buffer	0.1M Phosphate buffer, pH7.0
Quality Control	Visual QC of product to ensure no particulates are present.
Storage	6 months at room temperature 1 year at +4°C, 2 years at -20C.

RECOMMENDED METHOD OF USE

Prior to use, the stabilisation solutions should be checked for compatibility with your working buffers before the addition of the antibody solution. This includes checking the final pH of the solutions when added to the antibody solution. pH may have to be adjusted accordingly, normally between pH 6-8. This is only a rough guideline as different antibodies possess different buffer salt requirements, ionic strength preferences and pH optima. Generally a good starting point is Tris/HCL pH 7.0 or Bis-Tris/HCL pH 6.0 (final concentration once diluted with antibody solution, 50mM). Lower salt concentrations should be used if freeze drying or vacuum drying. For solution stability, the stabiliser solution should be used at a 1 to 1 dilution with the buffer of choice containing the required antibody concentration. For dry stability, the stabiliser solution should be used at a 1 to 4 dilution with the buffer of choice containing the required antibody concentration.

SAFETY AND HANDLING

Read the Material Safety Data Sheets (MSDS) and product labels before using the products.

(Although this product has been tested on the protein of interest in solution and in the dry state with wide ranging applications, Polygenyn Ltd. cannot anticipate all the possible requirements for stabilisation by clients, and ultimately cannot be held liable for non-stabilisation of a protein under such circumstances.)