

# StabilZyme® AP

## Conjugate Stabilizer

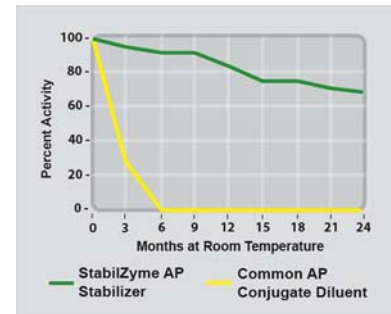


9924 West 74<sup>th</sup> Street  
Eden Prairie, MN 55344

StabilZyme® AP Conjugate Stabilizer was developed specifically for Alkaline Phosphatase (AP) conjugates in solution.

### Stability Data

The efficacy of StabilZyme AP stabilizer was verified by real-time stability studies that included independent testing of the enzyme activity and the immunological activity by ELISA (see graph at right). The studies were conducted using a monoclonal IgG-AP conjugate. Results of these analyses indicate superior performance of StabilZyme AP stabilizer compared to a common AP conjugate diluent. The monoclonal IgG-AP conjugate retained over 70% of its activity when stored in StabilZyme AP stabilizer for 24 months at room temperature.



### Properties

<b>Storage</b>	Product should be refrigerated or stored at room temperature. Please note that SurModics Stabilization Products are shipped to customers at ambient temperature. Extensive stability studies have shown that prolonged storage at ambient temperature will not affect the product quality or efficacy.
<b>Bovine Protein</b>	Yes
<b>Dry Weight (g/mL)</b>	0.100 - 0.120
<b>Product Buffer</b>	MES
<b>pH</b>	5.5 - 6.5
<b>Preservative</b>	0.02% methylisothiazolone, 0.02% bromonitrodioxane
<b>Shelf Life</b>	2.5 years
<b>Acceptable Diluents</b>	Deionized water or 10mM MES at pH 6.0 (PBS may cause precipitation)

### Applications

- StabilZyme AP stabilizer prevents the loss of catalytic activity and maintains stability of proteins in solution. It allows conjugate storage at use concentration, resulting in stable conjugates that require no dilution. It is also an excellent diluent, and often decreases background and increases signal for improved signal-to-noise ratios.
- StabilZyme AP stabilizer is readily incorporated into virtually any assay production protocol. Alkaline phosphatase conjugate can be added directly to StabilZyme AP stabilizer, and is then ready for storage and use.

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### **Recommendations for Use**

*The following are general guidelines only.*

1. Use StabilZyme AP stabilizer straight or dilute 1:1 in deionized water or 10 mM MES buffer, pH 6.0. (Phosphate buffers cause precipitation at >10% total volume.)
2. Dilute your AP conjugate to optimum concentration in the StabilZyme AP stabilizer solution.
3. Use diluted conjugate in your assay as normal.
4. For added stability, add 10% glycerol to the conjugate/StabilZyme AP stabilizer solution.
5. Store the conjugate solution at 2-8°C. Protect from direct exposure to light.

### **Technical Assistance**

For technical inquiries, please email [IVDtechsupport@surmodics.com](mailto:IVDtechsupport@surmodics.com) or call (952) 829-2709.

### **Ordering Information**

To place an order for this product, please contact our customer service at:

Tel: (952) 829-2709  
Toll Free: (800) 755-7793  
Fax: (952) 829-2743  
Email: [orders@surmodics.com](mailto:orders@surmodics.com)  
Web: [www.surmodicsIVD.com](http://www.surmodicsIVD.com)

<b>StabilZyme AP Conjugate Stabilizer is available in the following sizes:</b>	
<b>1000 mL</b>	<b>2000 mL</b>
<b>SA01-1000</b>	<b>SA01-2000</b>