

# Super Shield™ AP Conjugate Stabilizer

## Bovine and Mammalian Protein Free Stabilizer (ALPZR™ - One Component)

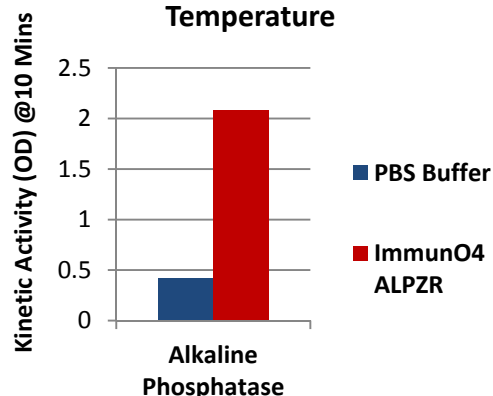
Mammalian Protein Free Stabilizer and Diluent; Preserves and stabilizes the activity of Alkaline Phosphatase (AP) conjugates used in immunoassays and molecular assays.

### Benefits of Super Shield™ AP

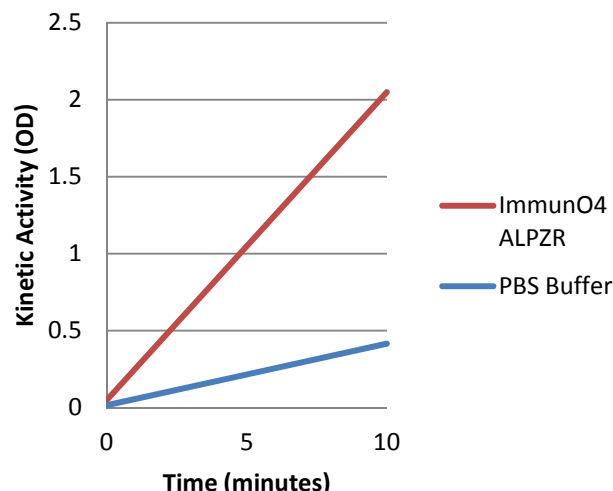
This stabilizer was developed to maximize the life of your AP conjugates while eliminating non-specific protein interactions.

- No Mammalian proteins
- Minimizes background interactions and issues
- ImmunO<sub>4</sub> ALPZR™ is compatible and works well in combination with ImmunO<sub>4</sub> Coat Block reagents
- Eliminates BSE regulatory concerns
- Room temperature stable reagent
- Stable through freeze-thaw cycles
- Superior AP stabilization / diluent

**Stability of Alkaline Phosphatase Incubated in Super Shield ALPZR vs PBS Buffer for 30 Days at Room Temperature**



**Kinetic Activity and Stability of Alkaline Phosphatase Incubated in Super Shield ALPZR vs PBS Buffer for 30 Days at Room Temperature**



### ImmunO<sub>4</sub> Partnering

ImmunO<sub>4</sub> scientists have developed some of the best commercial detection and laboratory reagents on the market. The ImmunO<sub>4</sub> technical team can custom develop products for your needs.

- Flexible business to business interaction
- Custom formulation that meets YOUR assay needs
- Reliable manufacturing and quality control

### Applications

ALPZR™ is specially formulated to stabilize the activity of AP conjugates. ALPZR™ also preserves proteins in various other assay systems. It is often used in ELISA, Western Blot, Southern/Northern Blots, and lateral flow. Super Shield can be used directly as an assay buffer. The product is supplied as a 1X, one component liquid, ready to use formula. Antimicrobial agents are included to retard bacterial growth.

## The Next Generation of Laboratory and Detection Reagents

# Super Shield™ AP Stabilizer

Superior Protein Stabilizer

## Packaging

ALPZR is available in 100 mL, 200 mL and 1L volumes. All materials are sold in custom or bulk quantities. Custom filling available.

Ordering Information	
Code	Description
LUMXL	Lumi Super Tracker XL™ Membrane / Blotting Chemiluminescent Peroxidase Substrate
LUSNM	Lumi Supernova™ Membrane / Blotting Chemiluminescent Peroxidase Substrate
LUMST	Lumi Super Tracker™ Membrane / Blotting Chemiluminescent Peroxidase Substrate
LUSST	Lumi Super Tracker™ Soluble / ELISA Chemiluminescent Peroxidase Substrate
LIABB	Lightning in a Bottle™ One Component Chemiluminescent Membrane / Blotting Peroxidase Substrate
HRPZR	Super Shield Peroxidase Conjugate Stabilizer™ (Bovine and Mammalian Protein Free)
ALPZR	Super Shield Alkaline Phosphatase Conjugate Stabilizer™ (Bovine and Mammalian Protein Free)
SSSZR	Super Shield Simulator™ Peroxidase Conjugate Stabilizer (Protein Free)
MACZR	Super Shield™ Macro™ Universal Stabilizer (Bovine and Mammalian Protein Free)
APNMC	Armor Plate™ Non Mammalian Protein Coat Block (Bovine and Mammalian Protein Free)
NMPCC	Armor Plate™ Concentrate Non Mammalian Protein Coat Block (5X) and Diluent (10X) (Bovine and Mammalian Protein Free)
APMPC	Armor Plate™ Milk Protein Coat Block (Bovine Serum Free)



125 Airport Drive, Unit 14  
 Westminster, MD 21157  
 Phone: 443-821-3504  
[www.ImmunO4.com](http://www.ImmunO4.com)