STILL USING BSA?

FULLY SYNTHETIC

CONSISTENT
PURE
SAFE

Rethink your blocking strategy.

MPC Polymer is a **fully synthetic** polymer designed to **replace** protein-based reagents in immunoassays. For more consistent, stable and accurate results.

LOWER BACKGROUND NOISE
Effective suppression of non-specific protein adsorption.

HIGHER STABILITY
Stabilizes antibodies and enzyme conjugates.

IMPROVED ASSAY PERFORMANCE
Enhances sensitivity and reproducibility.



THE PROBLEM WITH PROTEIN-BASED BLOCKERS

- ✗ Non-specific binding and high background
- ✗ Lot-to-lot variability
- ✗ Limited stability
- ✗ Potential impurities and degradation
- ✗ Animal-derived origin and related risks

WHY MPC POLYMER?

- ✓ Synthetic & consistent
- ✓ High stability
- ✓ Chemically defined
- ✓ Minimal variation
- ✓ Bio-safe

PROVEN PERFORMANCE

~50 %
Lower background signal vs. BSA in ELISA

≥400 DAYS
Stable enzyme activity at 4 °C

IMPROVED SENSITIVITY
In latex agglutination and lateral flow assays

WIDELY APPLICABLE

ELISA / CLEIA
Blocking & stabilization

Latex Agglutination
Enhanced sensitivity

Lateral Flow Assays
Better signal quality

Bead-based Assays
Improved accuracy & reproducibility

RETHINK YOUR BLOCKING STRATEGY.

?

Request a sample or technical discussion.

NAGASE | Delivering next.

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