



Certificate of Analysis

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LowBinding Buffer-IV

Assay diluent for reducing nonspecific binding, cross-reactivities and matrix effects in immunoassays

Catalog No LBA-004-0250
Lot No L118753400
PH 7.2 ± 0.2
Storage 2-8°C
Expiration After receiving, 12 months for unopened and 6 months for opened

Fields of application

ELISA, IHC, Western Blot and Protein Array.

Instructions for use

- *LowBinding buffer IV* reduces low-affinity bindings and offers a smooth reduction of non-specific signal. Thus it fits the immunoassay that capture and detection reagents have moderate binding affinity to analyte ($K_d > 10^{-7}$ M). In the assay, the specific signal is not depressed.
- When the capture and detection reagents have high binding affinity to analyte ($K_d < 10^{-10}$ M), *LowBinding buffer II, III and V* are recommended.

Quality Control

Quality System Department Date: 11-Jun-2021

Laboratory reagent for in vitro research use. Not for use in diagnostic procedures.