



# 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            L118753398  
PH                 $7.2 \pm 0.2$   
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: 28-May-2021

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