

# Block-Free ELISA Reagent (Protein-Free)

10/18

(Cat No. M4101-50, -250; 50, 250 ml, Store at 4°C)

## I. Introduction:

Enzyme-linked immunosorbent assay (ELISA) is widely used to measure the concentration of various analytes in biological samples. However, this assay can be time consuming as it involves multiple steps including coating, blocking, antigen/antibody binding incubation, as well as washing between each step. Among all procedures, blocking step is very important to reduce non-specific binding and improve signal/noise (S/N) ratio. BioVision's Block-Free ELISA Reagent (Protein-Free) is a superior primary and secondary antibody diluent, eliminating the blocking step and saving time while ensuring low background.

## II. Applications:

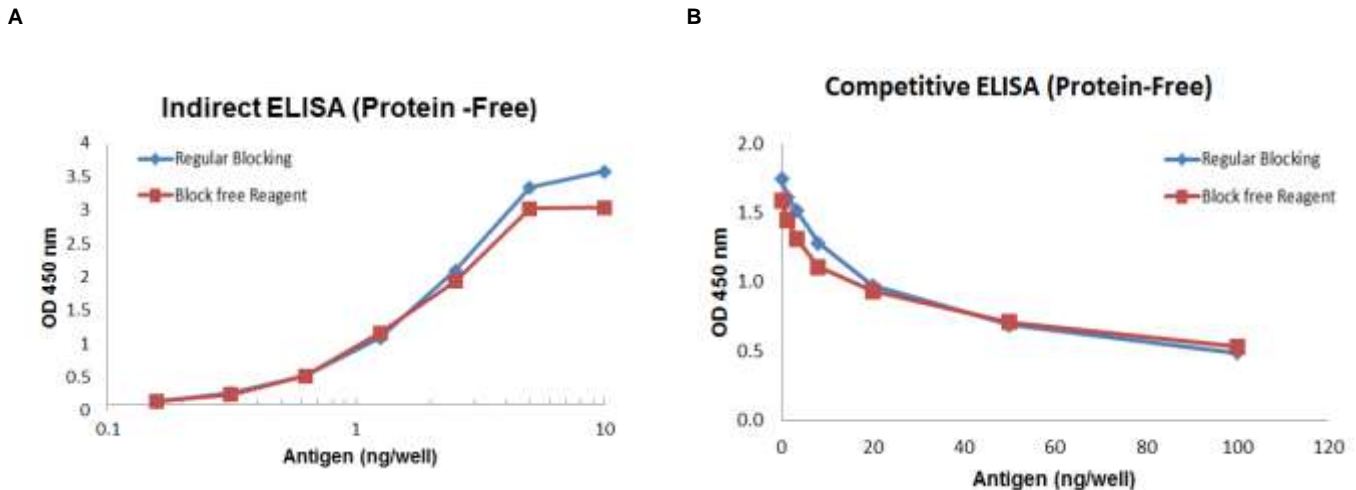
Superior primary and secondary antibody diluent to skip blocking steps after ELISA plate coating procedure in ELISA based immunoassay.

## III. Storage Condition:

Store at 4°C. Block-free ELISA reagent is stable for 12 months

## IV. Protocol

1. Coat the ELISA plate with antigen or antibody. **NO NEED TO BLOCK.**
2. Dilute primary antibody in Block-free ELISA Reagent and incubate the plate 1hr at RT.
3. Wash plate with wash buffer for 3 times.
4. Dilute secondary antibody in Block-free ELISA Reagent and incubate the plate 1hr at RT.
5. Wash the plate with wash buffer for 3 times.
6. Proceed with detection procedure.



**Figure A)** An indirect ELISA standard curve using Block Free immunoassay reagent without blocking step (Red) or with regular blocking step (Blue). **B)** A competitive ELISA standard curve using Block Free immunoassay reagent without blocking step (Red) or with regular blocking step (Blue).

## V. Related Products:

- TMB, Ultrasensitive (1215)
- TMB, High Kinetics (1216)
- Goat Anti-Mouse IgG (H&L) Biotin (6918)
- Goat Anti-Rabbit IgG (H&L) Biotin (6924)
- EZBlock™ T20 (TBS) Blocking Buffer (2143)

**FOR RESEARCH USE ONLY! Not to be used in humans**