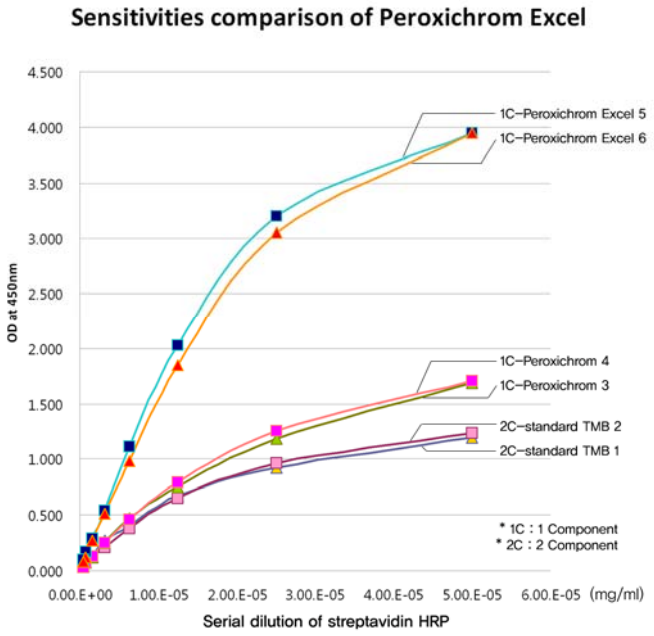
# Peroxichrom™,Peroxichrom Excel™

## TMB peroxidase substrate solution (1-component) for ELISA

Cat. # :

D5015-100 (Peroxichrom™ : 100ml)
D5015-400 (Peroxichrom™ : 400ml)
D5016-100 (peroxichrom Excel™ : 100ml)
D5016-400 (peroxichrom Excel™ : 400ml)




### Highlights of TMB substrate kit

- Ready to use single component
- Highest sensitivity
- Sufficient dynamic range
- Easy to use
- Noncarcinogenic
- No DMF or DMSO present in the reagent
- Stable at RT for 1 month (Stable at 4℃ for 1 year)
- Easy to transport

### Description:

TMB substrate(3,3'.5,5'-tetramethylbenzidine) is a chromogen that yields a deep blue color (maximum absorbance at 605nm or 650nm) when oxidized with hydrogen peroxide(catalyzed by HRP). The color then changes to yellow with the addition of 2N $H_2SO_4$ with maximum absorbance at 450 nm. Our TMB Substrates(Peroxichrom™, Peroxichrom Excel™) are one-component substrates that require no preparation before using, stable and sensitivity. Also Peroxichrom™ and Peroxichrom Excel™ contain no organic solvents such as DMF, DMSO, and methanol so there is no issue of safety with user.

### Precautions:

TMB substrate is sensitive to contamination from a variety of oxidizing agents. Avoid prolonged exposure to light, contact with metal or air. We recommend using TMB substrate by pouring out required amount into a reservoir and do not return excess TMB to provided bottle.

### Storage:

Stable at RT for 1 month (Stable at 4℃ for 1 year)

### Procedure:

1. Warm to room temperature prior to use if you store TMB solution at 4℃
2. Dispense 1-Component appropriate TMB solution or 100ul into each well
3. After sufficient color development (5-10minutes at room temperature or at 37℃)
   Add 50ul Stop Solution (2N $H_2SO_4$ or 1M $H_3PO_4$) to each well.
4. Read plates at 450nm

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