

ELISA Stop Solution

Cat #: DB9690-25ml

Store at RT

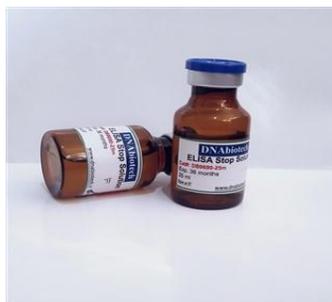
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Goat anti Mouse, HRP conjugated ([DB9571](#))

TMB substrate kit ([DB9510](#))

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Introduction:

Stop Solution for TMB Substrate is specifically formulated to terminate the HRP/TMB reaction and stabilizing the color development for ELISA applications. TMB is a chromogenic substrate used in ELISA. TMB can act as a proton donor for the reduction of hydrogen peroxide to water by peroxidase enzymes such as HRP. The resulting dimine causes the solution to take on a blue color, Color intensity is an indication of analytic level. After attaining the desired intensity, the reaction is terminated by addition of STOP Solution and this color change can be read at 650 nm. The reaction can be stopped by addition of stop reagent, and the color turns from blue to yellow with 2-3 fold increased absorbance values at 450 nm.

Description:

ELISA Stop Solution contains 4N HCL. Suitable for use in micro well assays such as ELISA. ELISA Stop Solution is suitable to stop the TMB enzyme substrate reaction in ELISA

Storage Condition:

Store bottle at room temperature. Discard if solution becomes cloudy.

Packaging:

Dark glass bottle

Preparation:

ELISA Stop Solution is ready-to-use and requires

no dilution. Apply 100 ul or 50 ul (depending on usage) directly to wells after incubation with TMB substrate. Reaction by adding the same volume as the TMB substrate added to each well.

Hazard Identification:

ELISA Stop Solution is a skin and eye irritant.

Application Notes:

Each lot of Stop Solution for TMB (3,3',5,5'-tetramethylbenzidine) Substrate has been tested by ELISA. The TMB stop solution will stop TMB and HRP (horseradish peroxidase) reaction by adding the same volume as the TMB substrate added to each well.

Addition of 50 ul stop solution changes the color from blue to yellow. Read absorbance at 450 nm within 60 minutes. If the reader can read at 570 nm, the absorbance at 570 nm can be subtracted from the absorbance at 450 nm.

