

Real TMB ELISA Substrate

Catalog number : IRRG8005

Application : ELISA

Package size: 100ml, 500ml

Store at: 4°C

Content

Content		Package
IRRG8001-100ML	Real TMB ELISA Substrate	100ml
IRRG8001-500ML	Real TMB ELISA Substrate	500ml

Storage

Shipped at 4°C. Upon delivery aliquot and store at 2°C or 8°C. Avoid prolonged exposure to light, contact with metal, air, or extreme temperatures

Product type

Horseradish Peroxidase (HRP) Substrate

Detection

Colorimetric

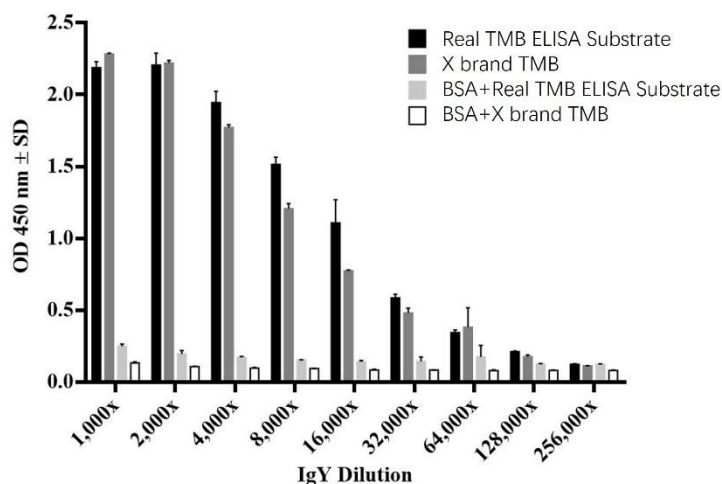
Description

TMB ELISA Substrate detects horseradish peroxidase (HRP) activity and is supplied as a ready to use solution. The substrate can be catalyzed with peroxidase to produce a pale blue color which can be read spectrophotometrically at 370 or 620-650 nm, or addition of stop solution changes the color to yellow, enabling accurate measurement of the intensity at 450nm using a spectrophotometer or plate reader.

Note

Following reaction with peroxidase, a blue reaction product forms that may be read at 370 nm or between 620 and 655 nm. For end-point assays, the reaction can be stopped by the addition of a volume of 1 Mor 2 M HCl, or 0.5 MH₂SO₄, equal to the volume of the substrate reaction in the well. The resulting yellow end-product, which is stable for at least one hour, can then be read at 450 nm. Dilution of the substrate is not recommended. To reduce the intensity of a reaction, it is recommended that the antibodies or conjugates be diluted.
For In vitro laboratory use only. Not for any clinical, therapeutic, or diagnostic use in humans or animals. Not for animal or human consumption

Image



Comparison of TMB Substrates. After the third immunization, purified IgY antibodies were serially diluted two-fold and added to ELISA plates coated with snake venom or BSA proteins. Bound IgY antibodies were detected using HRP-conjugated donkey anti-IgY. Two types of TMB substrates, X and Real TMB ELISA Substrate, were used for signal development, with the reaction stopped by HCl. X TMB is highly sensitive and specific, commonly used in clinical diagnostics. ELISA results are presented as the mean OD 450 nm ± SD from duplicate experiments.