abcam

Product datasheet

TMB ELISA Substrate (Slower Kinetic Rate) ab171526

画像数 1

製品の概要

製品名 TMB ELISA Substrate (Slower Kinetic Rate)

アプリケーション
適用あり: ELISA
適用なし: IHC-Fr or IHC-P

特記事項

Abcam's TMB ELISA Substrate (Slower Kinetic Rate) detects horseradish peroxidase (HRP) activity and contains 3,3',5,5'-tetramethylbenzidine in a mildly acidic buffer. The substrate is supplied as a ready to use solution. Unreacted substrate should be colorless or very light yellow in appearance. When this substrate system is reacted with peroxidase, a soluble blue reaction product is obtained. The reaction can be stopped using appropriate stop solution, producing a soluble yellow or soluble blue reaction product, depending upon the stop reagent used, which is stable for at least 1 hour. ab171526 is not recommended for membrane or immunohistochemical applications that require a precipitating reaction product.

Product Use:
ab171526 is supplied as a ready to use solution. The product should be allowed to equilibrate to room temperature (25°C) prior to use. For microwell applications, 100 µL of substrate solution is added to each well. A soluble blue reaction product develops which can be read at 370 nm or in a range of 620 nm to 650 nm. For best results, sample absorbance values should be monitored and read before absorbance values exceed 2.0 OD units. In endpoint assays, the substrate reaction can be stopped using equal volumes of 1 N HCl, 0.6 N sulfuric acid, or one of the stop solutions (**ab171529** and **ab171531**). Addition of acid turns the blue color to yellow and stops the enzymatic reaction. In the case of the 650 nm Stop Solutions for TMB Substrate (**ab171531**), the blue color does not change. Since stopping the reaction increases sample absorbance values approximately three fold, unless using the 650 nm Stop Solutions for TMB Substrate (**ab171531**), sample OD values should be monitored and substrate reaction stopped when values reach approximately 0.7 OD units. After stopping with the 450 nm Stop Solutions for TMB Substrate (**ab171529**), a soluble yellow product develops which is read in the 450 nm range. Stopping with the 650 nm Stop Solutions for TMB Substrate (**ab171531**) produces a soluble blue product which is read in the 650 nm range. Dilution of the substrate is not recommended. To reduce the intensity of a reaction, it is recommended that the antibodies or conjugates be diluted.

Storage Instructions:

Exposure to direct sunlight and other UV sources should be avoided due to the light sensitive nature of the TMB molecule.

製品の特性

製品の状態	Liquid
保存方法	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Store at +4°C. Please see notes section.
バッファー	pH: 1 Constituents: 0.05% TMB, 79% Water, 0.1% Hydrogen peroxide

アプリケーション

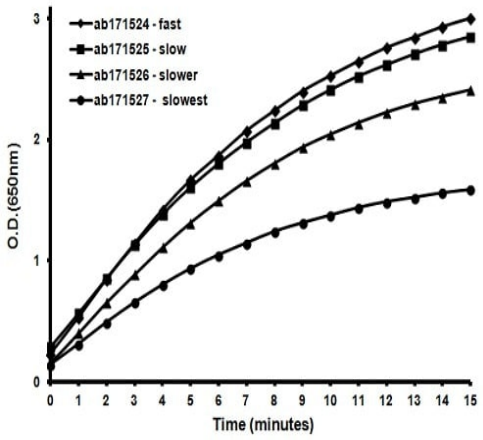
The Abpromise guarantee **Abpromise保証は、** 次のテスト済みアプリケーションにおけるab171526の使用に適用されます

アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご検討ください。

アプリケーション	Abreviews	特記事項
ELISA		1/1. 100 µL of substrate solution is added to each well.

追加情報 Is unsuitable for IHC-Fr or IHC-P.

画像



ELISA - TMB ELISA Substrate (Slower Kinetic Rate) (ab171526)

Comparison of the kinetic curves of several TMB substrates at 500 pg/mL mslgG monitored over time at 650 nm.

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