

TMB High Sensitivity Substrate Solution

Catalog# / Size	421501 / 60 mL
Regulatory Status	RUO
Other Names	TMB HS Substrate
Description	The TMB High Sensitivity (TMB HS) Substrate solution is an one-step working solution for HRP (horse-radish peroxidase) labeled conjugates. TMB HS substrate solution provides high signal and high sensitivity for ELISA. It is recommended for cytokine ELISA reagent sets. The substrate can be catalyzed with peroxidase to produce a pale blue color which can be read spectrophotometrically at 370 or 620-650 nm. The TMB reaction may be stopped with 2N H ₂ SO ₄ or 1M H ₃ PO ₄ (resulting in a yellow color), and read at 450 nm.

Product Details

Storage & Handling The TMB High Sensitivity Substrate Solution should be stored between 2°C and 8°C. Avoid prolonged exposure to light, contact with metal, air, or extreme temperatures.

Application [ELISA](#)

Application References

(PubMed link indicates BioLegend citation)

1. Zeng S, *et al.* 2008. *Int Immunopharmacol.* 10:1707. [PubMed](#)
2. Eisenach PA, *et al.* 2010. *J. Cell Sci.* 123:4182. [PubMed](#)
3. Fan YY, *et al.* 2012. *J Lipid Res.* 53:1287. [PubMed](#)
4. Querol L, *et al.* 2014. *Neurology.* 82:879. [PubMed](#)
5. Kianitsa K, *et al.* 2104. *Nucleic Acids Res.* 42:108. [PubMed](#)
6. Nogales A, *et al.* 2014. *J Virol.* 88:10525. [PubMed](#)

Product Citations

1. Querol L, *et al.* 2014. *Neurology.* 82:879. [PubMed](#)
2. Fan Y, *et al.* 2012. *J Lipid Res.* 53:1287. [PubMed](#)
3. Nogales A, *et al.* 2017. *J Virol.* 10.1128/JVI.00720-17. [PubMed](#)
4. Cho M, *et al.* 2016. *J Immunol.* 197: 1065 - 1073. [PubMed](#)
5. Zeng S, *et al.* 2008. *Int Immunopharmacol.* 10:1707. [PubMed](#)
6. Sheppard S, *et al.* 2017. *Nat Commun.* 8:13930. [PubMed](#)
7. Maizels K 2014. *Nucleic Acids Res.* 42:108. [PubMed](#)
8. Eisenach P, *et al.* 2010. *J Cell Sci.* 123:4182. [PubMed](#)
9. Sinha D, *et al.* 2020. *Anal Biochem.* 113827:608. [PubMed](#)
10. Nogales A, *et al.* 2014. *J Virol.* 88:10525. [PubMed](#)
11. Rother N, *et al.* 2017. *Front Immunol.* 10.3389/fimmu.2017.01136. [PubMed](#)

Antigen Details

Gene ID NA

Related Protocols

[Sandwich ELISA Protocol](#)

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