

NBP2-26503**Human TLR4/MD-2/CD14 SEAP - (SEAPorter™) Stable Reporter Cell Line****Unit Size**

1 Vial

Storage

Store in gas phase of liquid nitrogen.

Target Species

Human

Reporter Gene

Secreted alkaline phosphatase (SEAP)

Growth Properties

Adherent Morphology: Epithelial

Applications

LA

Host

HEK293

Reconstitution Instructions

Complete Growth Medium: DMEM with 4.5 g/L glucose + 10% FBS + 4 mM L-glutamine + 1 mM sodium pyruvate + 100 units/ml penicillin + 100 ug/ml streptomycin + 10 ug/ml blasticidin + 2 ug/ml puromycin + 200 ug/ml zeocin + 500 ug/ml G418 (Geneticin).

Selection Agent

Blasticidin, puromycin, zeocin and G418

Specificity/Sensitivity

TLR4/MD-2/CD14/NF-kB/SEAP

Immunogen

The TLR4/MD-2/CD14 reporter cell line is a stably co-transfected cell line which expresses full-length human Toll-like receptor 4 (TLR4), human MD-2, human CD14 and secreted alkaline phosphatase (SEAP) reporter genes under the transcriptional control of an NF-kB response element.

Recommended Dilutions

Ligand Activation

BufferContents: 3-4 x 10⁶ cells

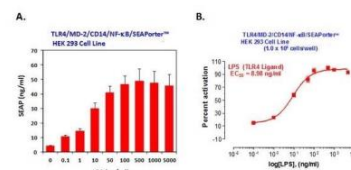
Biosafety Level: 2

Application Notes

The TLR4/MD-2/CD14 reporter line can be used for TLR4-dependent functional assays as well as screening of TLR4 agonists or antagonists. The TLR4/MD-2/CD14 reporter cell line has been validated by a ligand dose response assay (Figure 1).

Images

Ligand Activation: Human TLR4/MD-2/CD14 SEAP - (SEAPorter™) Stable Reporter Cell Line [NBP2-26503] - TLR4/MD-2/CD14 reporter cell line was plated in 96-well plates at 1 x 10⁵ cells/well. After 16 h, cells were stimulated with various amount of LPS for 24 h. SEAP was analyzed using the SEAPorter Assay Kit. A. LPS-mediated TLR4 activation, as measured by SEAP activity, was increased in a dose dep... See more at www.novusbio.com/NBP2-26503

**Notes**

Assume all cultures are hazardous since they may harbor latent viruses or other organisms that are uncharacterized. The following safety precautions should be observed.

- Use pipette aids to prevent ingestion and keep aerosols down to a minimum.
- No eating, drinking or smoking while handling the TLR4/MD-2/CD14 line.
- Wash hands after handling the TLR4/MD-2/CD14 line and before leaving the lab. See more at www.novusbio.com/NBP2-26503

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This product is for research use only and is not approved for use in humans or in clinical diagnosis. Reporter Cell Lines are guaranteed for 1 year from date of receipt.

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