Human TLR4 Stable Cell Line

Selection Agent
Blasticidin

Specificity/Sensitivity
TLR4

Immunogen
The TLR4 stable cell line is a stably transfected cell line which expresses full-length human Toll-like receptor 4 (TLR4) with an N-terminal HA tag.

Recommended Dilutions
Flow Cytometry, Western Blot

Buffer
Contents: 3~4 x 10^6 cells
Biosafety Level: 2

Application Notes
The TLR4 stable cell line can be used for TLR4 flow cytometric calibration and detection control as well as TLR4-dependent functional assays. TLR4 expression in this stable cell line has been validated by Western blotting (Fig. 1) and flow cytometry (Fig. 2). Functional activity of this stable cell line has been validated by the NF-kB/SEAPorte™ Assay Kit (NBP2-25286, Fig. 3).

References

Images (more available at www.novusbio.com/NBP2-26268)

Flow Cytometry: Human TLR4 Stable Cell Line [NBP2-26268] - Analysis of the TLR4 stable cell line. The assay was performed using the NF-kB SEAPorte™ Assay Kit. The Vector control stable cell line and TLR4 stable cell line were co-transfected with NF-kB/SEAP reporter plasmid and MD-2/CD14 expression plasmid for 16 h. Cells were stimulated with LPS for 24 h followed by SEAP assay.

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 stable line.
- Wash hands after handling the stable line and before leaving the lab.

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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.