Human TLR7 Stable Cell Line

Selection Agent
Blasticidin

Specificity/Sensitivity
TLR7

Immunogen
The TLR7 stable cell line is a stably transfected cell line which expresses full-length human Toll-like receptor 7 (TLR7) with an N-terminal HA tag.

Recommended Dilutions
Flow Cytometry, Functional, Western Blot

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

Application Notes
The TLR7 stable cell line can be used for TLR7 flow cytometric calibration and detection control as well as TLR7-dependent functional assays. TLR7 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 using the NF-κB/SEAPorter™ Assay Kit (NBP2-25286, fig. 3).

Images
Western Blot: Human TLR7 Stable Cell Line [NBP2-26270] - analysis of TLR7 expression in the TLR7 stable cell line using an HA antibody (20 μg total protein/lane). Legend. Vect: Vector control stable cell line; TLR7: TLR7 stable cell line.

Flow Cytometry: Human TLR7 Stable Cell Line [NBP2-26270] - analysis of TLR7 expression in the TLR7 stable cell line. Intracellular expression of TLR7 in the TLR7 stable cell line was analyzed by flow cytometry using a FITC-conjugated TLR7 antibody and compared with the Vector control stable cell line. Intracellular TLR Staining Flow Kit was used for this test.

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.