



COSMO BIO CO., LTD.

PRODUCT DATA SHEET

Product: Anti-TLR3, Biotin-labeled, TLR3.7

Cat. No.: MC-197 (0.5 mL)

Description:

Toll-like receptors (TLR) are highly conserved throughout evolution and have been implicated in the innate defence to many pathogens. In *Drosophila* toll is required for the anti-fungal response, while the related 18-wheeler is involved in antibacterial defences. In mammals, TLR identified as type I membrane signalling receptors with pattern recognition capabilities, have been implicated in the innate host defence to pathogens.

As investigated so far all functional characterized TLR signal via the TLR/IL-1 receptor (IL-1R) pathway where recruitment of MyD88 seems to be essential.

Viral replication within infected cells results in generation of dsRNA which can stimulate immune cells. Recent data show that TLR3 in viral recognition and innate defence.

Specificity:

Reacts with TLR3.

Ig Isotype:

Mouse IgG₁

Species Reactivity:

Human. Others not tested.

Format:

0.5 mL of 0.2 µm sterile filtered antibody solution at 100 µg/mL in PBS containing 0.1% protein stabilizer and 0.02% sodium azide.

Storage:

Store at 4°C.

Applications and Suggested Dilutions:

- Flow cytometry: (intracellular) Use at a 1:10 dilution.
- Western blot: Use at a 1:10 dilution.

The optimal dilution for a specific application should be determined by the researcher.

Limitations:

For *in vitro* research use only. Not for use in diagnostics or in humans.



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