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TLR4
Mouse Anti-Human Toll-like Receptor 4 (Clone HTA125) mAb

Catalog No.	MON4033	**Quantity:**	1 ml

Alternate Names: Toll-like Receptor 4, TLR4, CD284, hToll

Description: Toll-like receptors (TLR) are highly conserved throughout evolution and have been implicated in the innate defense to many pathogens. In Drosophila toll is required for the anti-fungal response, while the related 18-wheeler is involved in antibacterial defenses. In mammals, TLR identified as type I transmembrane signaling receptors with pattern recognition capabilities, have been implicated in the innate host defense to pathogens. TLR4 has been identified next to MD-2 and CD14 as a receptor that is central to the innate immune response to lipopolysaccharides (LPS) of Gram-negative bacteria.
The HTA125 monoclonal antibody reacts preferentially, especially in flow cytometry, with human TLR4 that is associated with MD-2. HTA125 is a TLR4 function-blocking antibody that is useful for studies on the role of TLR4 as a receptor for LPS induced cytokine production by TLR4 bearing cells. The antibody was shown to precipitate TLR4 (100 kDa).

Concentration: 0.1 mg/ml

UniProt ID: O00206

Specificity: TLR4

Host: Mouse

Isotype: IgG2a

Clone: HTA125

Formulation: Sterile-filtered purified antibody in PBS with 0.1% BSA and 0.02% sodium azide

Applications: FC, IHC, IP, Functional studies

Application Notes: HTA125 is a TLR4 function-blocking antibody that is useful for studies on the role of TLR4 as a receptor for LPS induced cytokine production by TLR4 bearing cells. The antibody was shown to precipitate TLR4 (100 kDa).

Storage & Stability: Store at 2-8°C for up to 1 year.

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