



PRODUCT DATA SHEET

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**Anti-TLR4 (human), mAb (blocking)
 Toll-like Receptor 4 (human)**

Cat. No.: IAX-400-002

Lot. No.:

Name	Monoclonal Antibody to Toll-like Receptor 4
Clone	22C5
Quantity	100 µg
Concentration	1 mg/ml
Source / Host	Purified from concentrated hybridoma supernatant
Isotype	Mouse IgG1
Immunogen	Human TLR4
Purity	>95% (SDS-PAGE)
Formulation	Liquid. PBS, Sucrose, PEG.
Specificity	Extracellular domain of human Toll-like Receptor 4
Species Crossreactivity	Detects human TLR4. Not cross-reactive to mouse TLR4, other species not tested.
Application	Blocking
Handling	Keep sterile
Shipping	BLUE ICE
Short Term Storage	2-8°C
Long Term Storage	After opening, prepare aliquots and store frozen at -20°C or lower. Avoid freeze/thaw cycles.
Stability	Stable for at least 12 months after receipt when stored at -20°C or lower. Thaw at 37°C.
MSDS	Available on request
General Information	<ul style="list-style-type: none"> • Detects human TLR4 in the absence and presence of MD2 (THP-1 human macrophages) • Blocks LPS-mediated activation of human TLR4. Tested in THP-1 cells (NFκB activation).

Document No.: IAX-400-002 | **Version:** 1.1 | **Issue Date:** 27/04/2020

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References

[1] *TLR4 antagonist FP7 inhibits LPS-induced cytokine production and glycolytic reprogramming in dendritic cells, and protects mice from lethal influenza infection.* Perrin-Cocon L. et al.; Sci Rep. (2017) 7:40791

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