



CD282 Antibody [mT2.7] (FITC)

Cat. No.: 76-950



Ψ Specifications

HOST SPECIES:	Mouse
SPECIES REACTIVITY:	Mouse
TESTED APPLICATIONS:	Flow
SPECIFICITY:	The mT2.7 monoclonal antibody specifically reacts with mouse CD282, the Toll-like receptor 2 (TLR2).

Ψ Properties

PURIFICATION:	The monoclonal antibody was purified utilizing affinity chromatography and unreacted dye was removed from the product.
CLONALITY:	Monoclonal
ISOTYPE:	Mouse IgG2a, kappa
CONJUGATE:	FITC
PHYSICAL STATE:	liquid
BUFFER:	Phosphate-buffered aqueous solution, ≤0.09% Sodium azide, may contain carrier protein/stabilizer, pH7.2.
CONCENTRATION:	batch dependent

STORAGE CONDITIONS:	The product should be stored undiluted at 4 °C and should be protected from prolonged exposure to light. Do not freeze.
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Ψ Additional Info

OFFICIAL SYMBOL:	Tlr2
ALTERNATE NAMES:	Ly105, Tlr2
GENE ID:	24088
USER NOTE:	Optimal dilutions for each application to be determined by the researcher.

Ψ Background and References

BACKGROUND:	The mT2.7 monoclonal antibody specifically reacts with mouse CD282, the Toll-like receptor 2 (TLR2). It is a type I transmembrane signaling receptor containing IL-1 receptor like intracellular domain and leucine-rich repeats (LRR) in the extracellular domain. CD282 is expressed on monocytes, macrophages, dendritic cells, and the RAW264.7 cell line and is involved distinguishing bacterial lipoproteins.
REFERENCES:	1) Mechetner, E. B., Roninson, I. B. (1992). Efficient inhibition of P-glycoprotein-mediated multidrug resistance with a monoclonal antibody. <i>Proceedings of the National Academy of Sciences</i> , 89(13), 5824-5828.
	2) Chaudhary, P. M., Mechetner, E. B., Roninson, I. B. (1992). Expression and activity of the multidrug resistance P-glycoprotein in human peripheral blood lymphocytes [see comments]. <i>Blood</i> , 80(11), 2735-2739.
	3) Goda, K., Fenyvesi, F., Bacs, Z., Nagy, H., Mrin, T., Megyeri, A., ... Szab, G. (2007). Complete inhibition of P-glycoprotein by simultaneous treatment with a distinct class of modulators and the UIC2 monoclonal antibody. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 320(1), 81-88.

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