



CD282 Antibody [TL2.1] (PE)

Cat. No.: 76-948



Ψ Specifications

HOST SPECIES:	Mouse
SPECIES REACTIVITY:	Human
TESTED APPLICATIONS:	Flow
SPECIFICITY:	The TL2.1 monoclonal antibody specifically reacts with human 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:	PE
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:	TIL4, CD284, TLR2
GENE ID:	7097
USER NOTE:	Optimal dilutions for each application to be determined by the researcher.

Ψ Background and References

BACKGROUND:	The TL2.1 monoclonal antibody specifically reacts with human 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 peripheral blood monocytes and is involved distinguishing bacterial lipoproteins. The TL2.1 antibody blocks the receptor and immunoprecipitates TLR2 from human mammary epithelial cells (HMEC) and peripheral blood mononuclear cells (PBMC).
REFERENCES:	1) Vinnakota, K., Hu, F., Ku, M. C., Georgieva, P. B., Szulzewsky, F., Pohlmann, A., ... Kettenmann, H. (2013). Toll-like receptor 2 mediates microglia/brain macrophage MT1-MMP expression and glioma expansion. <i>Neuro-oncology</i> , 15(11), 1457-1468.
	2) Meng, G., Rutz, M., Schiemann, M., Metzger, J., Grabiec, A., Schwandner, R., ... Kirschning, C. J. (2004). Antagonistic antibody prevents toll-like receptor 2 driven lethal shock-like syndromes. <i>Journal of Clinical Investigation</i> , 113(10), 1473-1481.

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