

TLR2 Polyclonal Antibody

CATALOG NO:	3552R-30T 30 µg (Trial size) 3552R-100 100 µg
HOST:	Rabbit
IMMUNOGEN:	Synthetic peptide surrounding amino acid 753 of mouse TLR2 (Internal ID# BV-D82G).
SPECIES REACTIVITY:	Human, Mouse, Rat, Monkey
FORMULATION:	0.5 mg/ml affinity purified rabbit polyclonal antibody in phosphate-buffered saline (PBS), pH 7.2, containing 30% glycerol, 0.5% BSA, and 0.01% thimerosal.
STORAGE CONDITIONS:	Store at -20°C. For long term storage, store at -70°C.

DESCRIPTION:

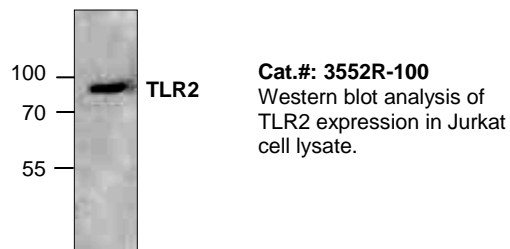
The Toll-like receptor (TLR) family in mammalian comprises a family of transmembrane proteins characterized by multiple copies of leucine rich repeats in the extracellular domain and IL-1 receptor motif in the cytoplasmic domain. Up-to-date, ten TLRs (TLR1-10) have been described. TLR2 is differentially expressed in human cells. CD14+ monocytes expressed the highest level of TLR2 followed by CD15+ granulocytes, and CD19+ B-cells. CD3+ T-cells and CD56+ NK cells did not express TLR2. The expression of TLR2 on different cell types is regulated by different immune response modifiers. For example, LPS, GM-CSF, IL-1, and IL-10 up regulate TLR2, whereas IL-4, IFN-gamma, and TNF down regulate TLR2 expression in monocytes.

SPECIFICITY:

The antibody recognizes ~86 kDa TLR2 in Jurkat cell lysate. Reactivity to other species has not been tested. Blocking peptide (Cat.# 3552RBP-50) is available separately.

APPLICATION AND USAGE:

The antibody can be used for Western blotting (0.5-4 µg/ml). However, the optimal conditions should be determined individually.



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