

## Product datasheet for **AM08193PU-N**

### TLR6 Mouse Monoclonal Antibody [Clone ID: 3B6]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	3B6
Applications:	ELISA, FC
Recommended Dilution:	<b>ELISA:</b> 1/3000-1/5000. <b>Flow Cytometry:</b> 1 µg/10 <sup>6</sup> .
Reactivity:	Human
Host:	Mouse
Isotype:	IgG2a
Clonality:	Monoclonal
Specificity:	This antibody is specific for Toll-like Receptor 6 (TLR6).
Formulation:	100 mM Borate buffered saline, pH 8.2. No preservatives or amine-containing buffer salts added. State: Purified State: Liquid purified Ig fraction.
Concentration:	lot specific
Conjugation:	Unconjugated
Storage:	Store antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	toll like receptor 6
Database Link:	<a href="#">Entrez Gene 10333 Human Q9Y2C9</a>



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**Background:**

The Toll-like receptor (TLR) family is comprised of Type I transmembrane proteins characterized by an extracellular leucine-rich domain and a cytoplasmic tail that contains a conserved region call the Toll/IL-1 (TIR) domain. First discovered in *Drosophila*, TLRs recognize specific molecular patterns that are present in microbial components and respond to these components in order eliminate or limit invading microbes. To date, ten mammalian homologs of TLRs have been described. TLRs signal through adaptor molecules such as MyD88 leading to NF- $\kappa$ B activation, c-Jun N-terminal kinase activation (JNK), cytokine secretion and the inflammatory response. The amino acid sequence of human TLR6 is most similar to hTLR1 with 69% identity.

TLR6 recognizes mycoplasmal macrophage-activating lipopeptide-2kD (MALP-2), soluble tuberculosis factor (STF), phenol-soluble modulin (PSM) and *B. burgdorferi* outer surface protein A lipoprotein (OspA-L) cooperatively with TLR2 (Ref.1-6)

**Synonyms:**

Toll-like receptor 6