

## Anti-TLR2 Antibody (7H593)

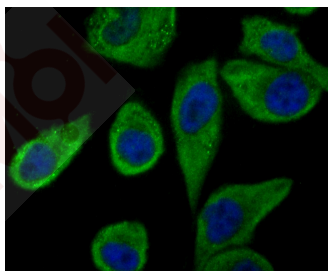
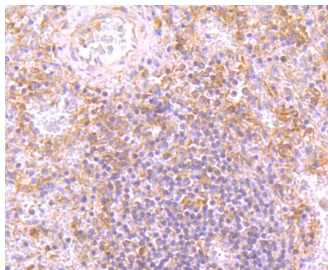
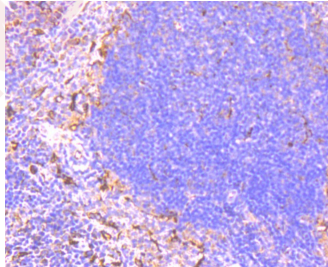
### Product Details

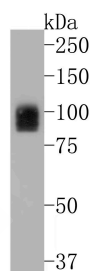
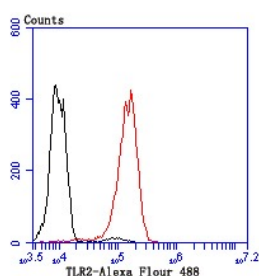
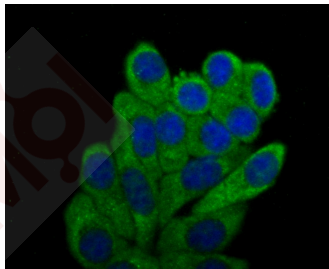
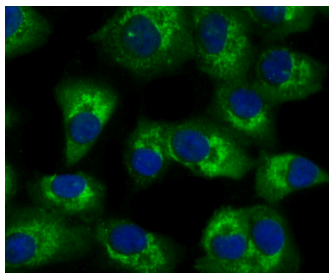
Ig Type:	IgG
Reactivity:	Human,Mouse,Rat
Conjugation:	Unconjugated
Clone:	7H593
Purification:	ProA affinity purified

### Applications

#### Verified Activity:

1. Immunohistochemical analysis of paraffin-embedded mouse spleen tissue using anti-TLR2 antibody. Counter stained with hematoxylin.
2. Immunohistochemical analysis of paraffin-embedded human spleen tissue using anti-TLR2 antibody. Counter stained with hematoxylin.
3. ICC staining TLR2 in PC-3M cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.
4. ICC staining TLR2 in A549 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.
5. ICC staining TLR2 in HepG2 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.
6. Flow cytometric analysis of THP-1 cells with TLR2 antibody at 1/100 dilution (red) compared with an unlabelled control (cells without incubation with primary antibody; black).
7. Western blot analysis of TLR2 on HL-60 cell lysates.





Application: FCM, ICC/IF, IHC, WB

Recommended WB: 1:500-2000; IHC: 1:50-200; ICC/IF: 1:50-200; FCM: 1:50-100

### Properties

Stability & Storage: Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.

Shipping: Shipping with blue ice.

### Antigen Details

Immunogen: Recombinant Protein

Uniprot ID: O60603

Synonyms: toll-like receptor 2

### Research Background

The TLR family of proteins are characterized by a highly conserved Toll homology (TH) domain, which is essential for Toll-induced signal transduction. TLR1, as well as the other TLR family members, are type I transmembrane receptors that characteristically contain an extracellular domain consisting of several leucine-rich regions along with a single cytoplasmic Toll/IL-1R-like domain. TLR2 and TLR4 are activated in response to lipopolysacchride (LPS) stimulation, which results in the activation and translocation of NFkB and suggests that these receptors are involved

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in mediating inflammatory responses. Expression of TLR receptors is highest in peripheral blood leukocytes, macrophages, and monocytes. TLR6 is highly homologous to TLR1, sharing greater than 65% sequence identity, and, like other members of TLR family, it induces NF $\kappa$ B signaling upon activation.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

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