

## Anti-TLR7 Antibody (4T732)

### Product Details

Ig Type:	IgG
Reactivity:	Human (predicted:Rat,Mouse)
Molecular Weight:	Theoretical: 121 kDa.
Clone:	4T732
Purification:	Protein A purified

### Applications

Verified Activity:	<p>1. Blank control: THP-1. Primary Antibody (green line): Rabbit Anti-TLR7 antibody (TMAB-13575) Dilution: 1 µg/Test; Secondary Antibody (white blue line) : Goat anti-rabbit IgG-FITC Dilution: 0.5 µg/Test. Isotype control (orange line): Normal Rabbit IgG Protocol The cells were incubated in 5% BSA to block non-specific protein-protein interactions for 30 min at room temperature. Cells stained with Primary Antibody for 30 min at room temperature. The secondary antibody used for 40 min at room temperature. Acquisition of 20,000 events was performed.</p> <p>2. Sample: Lane 1: Recombinant human TLR7 protein, His Primary: Anti-TLR7 (TMAB-13575) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 121 kDa Observed band size: 40 kDa</p>
Application:	FCM,WB
Recommended	FCM: 1µg/Test; WB: 1:500-2000

### Properties

Stability & Storage:	Store at 2°C-8°C for 1 month. 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: human TLR7 protein  
Antigen Species: Human  
Gene ID: 51284  
Uniprot ID: Q9NYK1

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### Research Background

Key component of innate and adaptive immunity. TLRs (Toll-like receptors) control host immune response against pathogens through recognition of molecular patterns specific of microorganisms. TLR7 is a nucleotide-sensing TLR which is activated by single-stranded RNA. Acts via MYD88 and TRAF6, leading to NF-kappa-B activation, cytokine secretion and the inflammatory response.

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

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E\_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481