

## Product datasheet for **TA320483**

### TLR3 Mouse Monoclonal Antibody [Clone ID: TLR3.7]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	TLR3.7
Applications:	FC
Recommended Dilution:	Flow, IHC, IP, WB
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Formulation:	Aqueous buffer, 0.09% sodium azide, may contain carrier protein/stabilizer
Concentration:	lot specific
Purification:	Affinity purified
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	toll like receptor 3
Database Link:	<a href="#">NP_003256</a> <a href="#">Entrez Gene 7098 Human</a> <a href="#">O15455</a>

**Background:** The TLR3.7 monoclonal antibody reacts with human Toll-like receptor 3 (TLR3). To date, at least twelve members of the Toll-like receptor family have been identified. This family of type I transmembrane proteins is characterized by an extracellular domain with leucine-rich repeats and a cytoplasmic domain with homology to the type I IL-1 receptor. In the innate immune response, TLRs recognize molecular patterns associated with microbial pathogens and induce antimicrobial activity. TLR3 recognizes double-stranded (ds)RNA, induces the activation of NF- $\kappa$ B through MyD88-dependent and -independent pathways, and the production of type I interferons (IFNs). TLR3.7 suppressed poly(I):poly(C)-mediated IFN- $\beta$  production by human fibroblasts naturally expressing TLR3 on their surface.

**Synonyms:** CD283; IIAE2

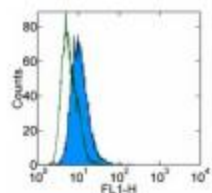
**Protein Families:** Druggable Genome, Transmembrane



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Protein Pathways: Toll-like receptor signaling pathway

### Product images:



Staining of permeabilized A549 cell line with 1 ug of Purified Mouse IgG1 kappa Isotype Control (open histogram) or 1 ug of Purified anti-human TLR3 (TLR3.7) (filled histogram) followed by Anti-Mouse IgG FITC. Total cells were used for analysis.