

## Product datasheet for **TA337144**

### TLR3 Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	FC, IHC, WB
Recommended Dilution:	WB: 4-6ug/ml~, FC: 1ug/10 <sup>6</sup> cells, IHC-P: 5ug/ml~
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	The immunogen for this antibody was a portion of amino acids 325-393 of mouse TLR3. 356 373 of mouse TLR3
Formulation:	PBS containing 0.05% BSA, 0.05% Sodium Azide. Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Concentration:	lot specific
Purification:	Protein G 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:	CD283, appears to be one of the major sensors of RNA viruses. Viral recognition by endosomal TLRs induces Type I Interferon production and release (Matsumoto, 2011). TLR3 is the only human TLR which does not utilize MyD88 as an adaptor molecule instead utilizing TRIF in a signaling path which results in downstream activation of IRF-3 and NF-κB (Oshiumi, 2003). is a major inducer itself of Type I interferons like IFN through activation via viral derived dsRNAs or (Yoneyama, 1998). TLR3 activation leads not only to Type I interferon induction but also to other inflammatory cytokines which result in DC maturation (Jelinek, 2011). Through its recognition of dsRNA, TLR3 also appears to potentiate immune responses and TLR3 agonists have been exploited as vaccine adjuvants .

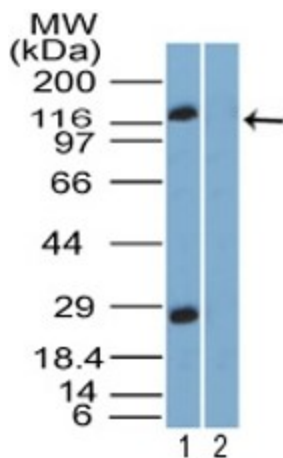


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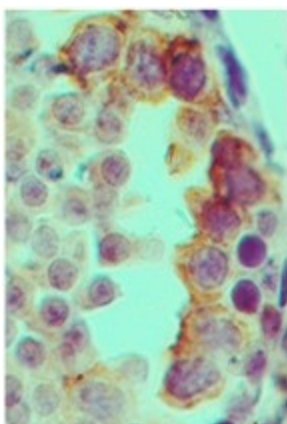
**Synonyms:** CD283; IIAE2

**Protein Families:** Druggable Genome, Transmembrane

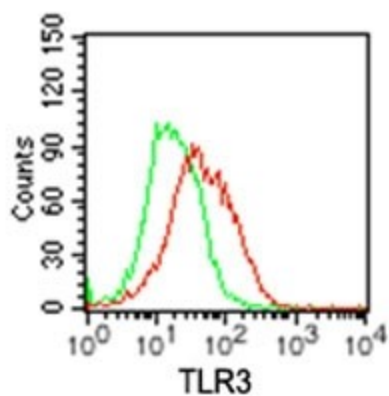
**Protein Pathways:** Toll-like receptor signaling pathway

**Product images:**

Western Blot: TLR3 Antibody TA337144 - Mouse testis tissue probed with 5 ug/ml TLR3 antibody in the absence (1) and presence (2) of immunizing peptide. I goat anti-rabbit Ig HRP secondary antibody and PicoTect ECL substrate solution were used for this t



Immunohistochemistry-Paraffin: TLR3 Antibody TA337144 - Mouse testis tissue probed with TLR3 antibody at 5 ug/ml.



Flow Cytometry: TLR3 Antibody TA337144 - Intracellular analysis of TLR3 in mouse splenocytes using TLR3 antibody (red) and isotype control antibody (green) at 1 ug/10<sup>6</sup> cells.