

Product datasheet for AM26252FC-N

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

Product data: Product Type: Primary Antibodies Clone Name: TLR3.7 Applications: FN, IF, IHC, IP, WB **Recommended Dilution: Immunohistochemistry on frozen sections** (5,6): Dried sections, fixed with 4% paraformaldehyde and subsequently washed in PBS and MQ. Sections were quenched with 0.3%H2O2 in methanol and washed in PBS. Sections were permeabilized with 0.4% triton-X100 in PBS. Pretreated slides were blocked with 1% horse serum for 20' and incubated o/n with antibody (Ref.5). Immunohistochemistry on paraffin sections(5): Formalin fixed, paraffin embedded sections were deparaffinized with xylene, followed by washes in 95% and 70% EtOH. Sections were washed with water and permeabilized with 0.4% triton-X100 in PBS. Pretreated slides were blocked with 1% horse serum for 20' and incubated o/n with antibody (Ref.5). **Flow cytometry** (1,3,4,5): Cells were incubated with 1 µg antibody together with 10 µg human IgG for 30'at 4°C in PBS/0,5% BSA (Ref.3). The typical starting working dilution is 1:50. Functional assays (1,6): 7.5*104 MRC5 cells were pre-treated with 10-20µg/ml for 1-24h at 37°C. Monoclonal antibody TLR3.7 inhibits dsRNA-induces IFN-beta production (Ref.1). Immunoflourescence (3): Cytospins of monocyte-derived iDCs were fixed for 30' with 3% formaldehyde in PBS, permeabilized with PBS/1%BSA/0.5%saponin. After PBS wash slides were incubated for 1h at RT with 20ug/ml antibody in PBS/1%BSA (Ref.3). Immunoprecipitation (1,3). Western blot (6): Total cellular protein was loaded on 7.5% SDS-PAGE and blotted on PDVF. Blots were incubated with 2µg/ml antibody o/n at 4°C (Ref.6). Positive control: Monocytes, granulocytes, lymphocytes, human fibroblast, MRC-5 & FS-4 cells. Negative control: HEK293. **Reactivity:** Canine, Human, Mouse Host: Mouse Isotype: lgG1 **Clonality:** Monoclonal Human Flag-tagged TLR3 stably expressed by Ba/F3 cells Immunogen:



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CD283).Formulation:PBS Label: FTIC State: Liquid 0.2 µm filtered Ig fraction Stabilizer: 1% bovine serum albumin Preservative: 0.02% sodium azideConcentration:lot specificPurification:Protein GConjugation:FTICStorage:Store at 2 - 8 °C.Stabilize:Shelf life: one year from despatch.Gene Name:toll like receptor 3Database Link:Entrez Gene 7098 Human O15455Background:Toll-like receptors (TLRs) are highly conserved from Drosophila to humans and share structural and functional similarities. TLRs constitute of a family of pattern recognition receptors (PRs) that mediate cellular responses to a large variety of pathogen sociated molecular patterns'. Activation of TLRs, a family of at least 11 different members that function either as homo- or heterodimers, leads to activation of NFxB-dependent and IFN-regulatory factor dependent signaling pathways. TLRs have a central role in innate immunity and are also required for the development of an adaptive immune response. TLRs are expressed by various cells of the immune system, such as macrophages and denytic cells. TLRs are form bacterial, viral and fungi pathogens, such as impophysaccharide (LPS) from the outer membrane of Gram negative bacteria, peptidoglycan fragments from bacterial cell walls and single-stranded and double-stranded RNA from viruses. Some forms of RNA and DNA from pathogens exhibit immutable features that distinguish them from nucleic acids of higher organisms. For example, dsRNA, is a common intermediate of viral replication and a potent indicator of infection. Toll-like receptor 3 (TLR3) recognizes viral double-stranded RNA and its synthetic analog polyriboinosicpolyriboiosicpolyriboicosicpolyriboicosicpolyriboicosicpolyriboicosic		TLR3 Mouse Monoclonal Antibody [Clone ID: TLR3.7] – AM26252FC-N
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