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PURIFIED ANTI HUMAN TOLL LIKE RECEPTOR DOWNSTREAM ANTIBODY SAMPLER KIT MOUSE POLYCLONAL / MONOCLONAL

Code: 221-MG-1TLRDS ***Lot no.:***

Expiration: 1 year from date of dispatch

Quantity: 25ug or 50 ug of each antibody in PBS containing 0.02% sodium azide.

Specificity: The Toll-like receptor (TLR) family in mammals comprises of transmembrane proteins characterized by multiple copies of leucine rich repeats in the extracellular domain and IL-1 receptor motif in the cytoplasmic domain. Like its counterparts in *Drosophil*a, TLRs signal through adaptor molecules. MD-1 and MD-2 complex with RP105 and TLR4, respectively, to enhance LPS recognition and signalling. IL-1 receptor-associated kinases (IRAKs) are important mediators in the signal transduction of Toll/IL-1 receptor (TIR) family members. The cytoplasmic domains of TIR proteins interact with the adapter protein, MyD88. MyD88 then recruits IRAKs, which in turn interact with other adapter molecules to activate NF-kB and MAPK pathways.

Applications:

Antibody	Clone	Isotype	Applications*	Product code
MD1 pAb	N/A	Rabbit Ig	WB: 1 – 3 ug/ml	221-MG-357
MD2 pAb	N/A	Rabbit Ig	WB: 1:500 – 1:1000	221-MG-1MD2
IRAK-1 pAb	N/A	Rabbit Ig	WB: 1 – 3 ug/ml IP: 2 –4 ug antibody / 10^6 cells	221-MG-179
IRAK-2 pAb	N/A	Rabbit Ig	WB: 1 – 3 ug/ml	221-MG-180
IRAK-4 pAb	N/A	Rabbit Ig	WB: 1:500 – 1:1000	221-MG-441
MyD88 pAb	N/A	Rabbit Ig	WB: 1 – 3 ug/ml	221-MG-178
P65 mAb	112A1021	Mouse IgG1	WB: 1 – 3 ug/ml	211-MG-150

* WB = Western Blotting; IP = Immunoprecipitation

We recommend that each laboratory determine an optimum working titre for use in its particular application.

Storage: For use within 1 month store at +4 ^{o}C. For long term storage aliquot antibody into small volumes and store at -20 ^{o}C. Avoid repeated freeze thaw cycles.

For Research Use Only. Not For Diagnostic or Therapeutic Use.

Conditions: The information disclosed herein is not be construed as a recommendation to use the above product in violation of any patents. ImmunoKontact will not be held responsible for patent infringement or other violations that may occur with the use of our products. ***Preservatives: Sodium azide (NaN_3)*** was added as a preservative to prevent bacterial contamination. **Sodium azide is a poisonous and hazardous substance, which should be handled by trained staff only.** Since sodium azide yields highly toxic hydrazoic acid under acidic conditions it is important to dilute azide compounds in running water before discarding to avoid accumulation of potentially explosive in plumbing.

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