

Active Recombinant Mouse Tlr9 protein, Fc-tagged

Cat. No. Tlr9-372M Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Tlr9(Leu26-Asp818) fused with Fc tag at C-terminal was expressed in CHO.
Species	Mouse
Source	CHO
ProteinLength	26-818 a.a.
Predicted N Terminal	Leu26
Form	Lyophilized from a 0.2 µm filtered solution in PBS.
Bio-activity	Measured by its ability to bind biotinylated CpG oligodeoxynucleotide, type B. The 50% maximum binding is achieved at 30-150 ng/mL of Recombinant Mouse TLR9 Fc Chimera. Optimal dilutions should be determined by each laboratory for each application.
Molecular Mass	Predicted Molecular Mass: 115.8 (monomer) kDa; SDS-PAGE: 140-170 kDa, reducing conditions.
Endotoxin	<0.10 EU per 1 µg of the protein by the LAL method.
Purity	>95%, by SDS-PAGE under reducing conditions and visualized by silver stain

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Storage Avoid repeated freeze-thaw cycles. 12 months from date of receipt, -20 to -70 centigrade as supplied. 1 month, 2 to 8 centigrade under sterile conditions after reconstitution. 3 months, -20 to -70 centigrade under sterile conditions after reconstitution.

Reconstitution Reconstitute at 100 µg/mL in PBS.

GENE INFORMATION

Gene Name Tlr9 toll-like receptor 9 [*Mus musculus*]

Official Symbol Tlr9

Synonyms TLR9; toll-like receptor 9;

Gene ID 81897

mRNA Refseq NM_031178

Protein Refseq NP_112455

MIM

UniProt ID Q9EQU3

Chromosome Location 9; 9 F1

Pathway African trypanosomiasis, organism-specific biosystem; African trypanosomiasis, conserved biosystem; Chagas disease (American trypanosomiasis), organism-specific biosystem; Chagas disease (American trypanosomiasis), conserved biosystem; Herpes simplex infection, organism-specific biosystem; Herpes simplex

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infection, conserved biosystem; Malaria, organism-specific biosystem;

Function

interleukin-1 receptor binding; protein binding; receptor activity; siRNA binding;
unmethylated CpG binding;

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