

Resource Summary Report

Generated by [RRID](#) on Aug 29, 2026

mTLR4 flag

RRID:Addgene_13087

Type: Plasmid

Proper Citation

RRID:Addgene_13087

Plasmid Information

URL: <http://www.addgene.org/13087>

Proper Citation: RRID:Addgene_13087

Insert Name: TLR4

Organism: Mus musculus

Bacterial Resistance: Ampicillin

Vector Backbone Description: Backbone Marker:Sigma; Backbone Size:4700; Vector Backbone:pFlag-CMV-1; Vector Types:Mammalian Expression; Bacterial Resistance:Ampicillin

Comments: Please note: This plasmid may exist as a multimer. This is not expected to impact the end function of the plasmid. Please refer to the Addgene Blog post on multimers for more information: <https://blog.addgene.org/plasmids-101-dimers-and-multimers>

Plasmid Name: mTLR4 flag

Relevant Mutation: Amino acids 1-19 have been replaced with mammalian signal sequence (SALLILALVGAAVA) followed by Flag tag

Record Creation Time: 20220422T221727+0000

Record Last Update: 20260829T075500+0000

Ratings and Alerts

No rating or validation information has been found for mTLR4 flag.

No alerts have been found for mTLR4 flag.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 5 mentions in open access literature.

Listed below are recent publications. The full list is available at [RRID](#) .

Li C, et al. (2025) Gut microbiota-derived GlcNAc-MurNAc is a TLR4 agonist that protects the host gut. Nature communications, 16(1), 5577.

Murugan S, et al. (2023) Outer membrane protein 25 of Brucella suppresses TLR-mediated expression of proinflammatory cytokines through degradation of TLRs and adaptor proteins. The Journal of biological chemistry, 299(11), 105309.

Harada Y, et al. (2019) Cathepsin E in neutrophils contributes to the generation of neuropathic pain in experimental autoimmune encephalomyelitis. Pain, 160(9), 2050.

Wang J, et al. (2016) Experimental Anti-Inflammatory Drug Semapimod Inhibits TLR Signaling by Targeting the TLR Chaperone gp96. Journal of immunology (Baltimore, Md. : 1950), 196(12), 5130.

Chang CH, et al. (2011) TBK1-associated protein in endolysosomes (TAPE) is an innate immune regulator modulating the TLR3 and TLR4 signaling pathways. The Journal of biological chemistry, 286(9), 7043.