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Recombinant Mouse TLR2 Protein (His tag)

产品货号: TP07528

第三版

别名: Ly105

**描述:** TLR2, also known as CD282, is a member of the Toll-like receptor (TLR) family. TLRs are highly conserved from *Drosophila* to humans and share structural and functional similarities. They play a fundamental role in pathogen recognition and activation of innate immunity. They recognize pathogen-associated molecular patterns (PAMPs) that are expressed on infectious agents, and mediate the production of cytokines necessary for the development of effective immunity. The various TLRs exhibit different patterns of expression. TLR2 contains 14 LRR (leucine-rich) repeats and 1 TIR domain. TLR2 gene is expressed most abundantly in peripheral blood leukocytes, and mediates host response to Gram-positive bacteria and yeast via stimulation of NF- $\kappa$ B. CD282 cooperates with LY96 to mediate the innate immune response to bacterial lipoproteins and other microbial cell wall components. It also cooperates with TLR1 to mediate the innate immune response to bacterial lipoproteins or lipopeptides. CD282 acts via MYD88 and TRAF6, leading to NF- $\kappa$ B activation, cytokine secretion and the inflammatory response. It may also promote apoptosis in response to lipoproteins.

**配方:** PBS**分子量:** 64.8 kDa**序列:** Met1-Gln587**纯度:** > 95% by HPLC**浓度:****内毒素:** <1.0 EU per 1  $\mu$ g of protein (determined by LAL method)**存储:** +4 °C 保存 (1-2 周). 长期保存在 -20 °C 或者 -70 °C. 避免反复冻融.