
Product Data Sheet

Product Name: TLR2 Mouse
 Cat. No.: GP24845
 Batch No.: 1

Product Data

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|---------------------|--|--------------------|-------------------------|
| Purity | >98% | Source | Sf9, Baculovirus cells. |
| Physical Appearance | solid | Shipping Condition | Shipped with Ice Packs. |
| Synonyms | Toll-like receptor 2; CD282. | | |
| Amino Acid Sequence | <p>ADLQESLSCD ASGVCDGRSR SFTSIPSGLT AAMKSLDLSF NKITYIGHGD LRACANLQVL MLKSSRINTI EGDAFYSLGS LEHLDLSDNH LSSLSSSWFG PLSSLKYLNLMGNPYQTLGV TSLFPNLTNL QTLRIGNVET FSEIRRIDFA GLTSLNELEI KALSLRNYQS QSLKSIRDH HLTSLHLESA FLEIFADIL SSVRYLELRD TNLARFQFSP LPVDEVSSPM KKLAFRGSVL TDESFNELLK LLRYILELSE VEFDDCTLNG LGDFNPESD VVSELGKVET VTIRRLHIPQ FYLFYDLSTV YSLLEKVKRI TVENSKVFLV PCSFSQHLKS LEFLDLENL MVEEYLKNSA CKGAWPSLQT LVLSQNHLSR MQKTGEILLT LKNLTSLDIS RNTFHPMPDS CQWPEKMRFL NLSSTGIRVV KTCIPQTLEV LDVSNNNLDS FSLFLPRLQE LYISRNKLKT LPDASLFPVL LVMKIRENAV STFSKDQLGS FPKLETLEAG DNHFVCSCEL LSFTMETPAL AQILVDWPDS YLCDSPPRLH GHRLQDARPS VLECHQLEPK SCDKTHTCPP CPAPELLGGP SVFLFPPKPK DTLMISRTPE VTCVVVDVSH EDPEVKFNWY VDGVEVHNAK TKPREEQYNS TYRVVSVLTV LHQDWLNGKE YKCKVSNKAL PAPIEKTISK AKGQPREPQV YTLPPSRDEL TKNQVSLTCL VKGFYPSDIA VEWESNGQPE NNYKTTTPVL DSDGSFFLYS KLTVDKSRWQ QGNVFSCSVM HEALHNHYTQ KSLSLSPGKH HHHHH.</p> | | |
| Formulation | TLR2 protein solution (0.25mg/ml) containing Phosphate Buffered Saline (pH 7.4) and 10% glycerol. | | |

Introduction

TLR2 belongs to the Toll-like receptor (TLR) family that plays a fundamental role in pathogen recognition and activation of innate immunity. TLRs are highly conserved from Drosophila to humans and share structural and functional similarities. They recognize

Caution: Product has not been fully validated for medical applications. For research use only.

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pathogen-associated molecular patterns (PAMPs) which 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 is expressed most abundantly in peripheral blood leukocytes, and mediates host response to Gram-positive bacteria and yeast via stimulation of NF-kappaB.

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Background

TLR2 Mouse Recombinant produced in Sf9 Baculovirus cells is a single, glycosylated polypeptide chain containing 805 amino acids (25-587a.a.) and having a molecular mass of 90.7kDa. (Molecular size on SDS-PAGE will appear at approximately 70-100kDa). TLR2 is expressed with a 239 amino acid His tag at C-Terminus and purified by proprietary chromatographic techniques.

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