

Tlr2, 25-587aa, Mouse, hlgG-His-tag, Baculovirus

Cat.NO.: TP04232

3th Edition

Synonyms:Toll-like receptor 2, Tlr2, Ly105

Description:Tlr2, also known as toll-like receptor 2, is a member of the Toll-like receptor (TLR) family. It is typically thought to recognize bacterial components, it has been described to alter the induction of both innate and adaptive immunity to a number of viruses, including vaccinia virus (VACV). It may recognize virus preparations in vitro and have a minor role in preventing dissemination of VACV following systemic infection with large doses of virus. It is wholly disposable in both control of virus replication and induction of adaptive immunity following intradermal infection. Recombinant mouse Tlr2, fused to hlgG-His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.

Form:Liquid. In Phosphate Buffered Saline (pH 7.4) containing 10% glycerol.

Molecular Weight:90.7kDa (805aa), 70-100kDa (SDS-PAGE under reducing conditions)

Sequences:

ADLQESLSCDASGVCDGRSRSFTSIPSGTLAAMKSLDLSFNKITYIGHGDLRACANLQVLMKSSSRINTIEGDAFYSL
GSLEHLDLSDNHLSSSSWFGPLSSLKYLNLGMNPYQTLGVTSLFPNLNLQTLRIGNVETVFSEIRRIDFAGLTSLN
ELEIKALSLRNYQSQSLKSIRDIIHLLHLHLSAFLLEIFADILSSVRYLELRDNLARFQFSPPLVDEVSSPMKKLAFR
GSVLTDESFNELLKLLRYILELSEVEFDDCTLNGLGDFNPSESDVVSELGKVETVTIRRLHIPQFYLFYDLSTVYSLLE
KVKRITVENSKVFLVPCSFSSQHLKSLEFLDLSENLMVEEYLNKNSACKGAWPSLQTLVLSQNHLSRSMQKTGEILLTLK
NLTSLDISRNTFHPMPDSCQWPEKMRFLNLSSTGIRVVKTCIPQTLEVLVDVSNLNLDLSDLSLFLPRLQELYISRNLKLT
LPDASLFPVLLVMKIRENAVSTFSKDQLGSFPKLETLEAGDNHFCSCCELLSFTMETPALAQILVDWPDSYLCDSPP
RLHGHRLQDARPSVLECHQLEPKSCDKTHTCPPCPAPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVVDVSHEDP
EVKFNWYVDGVEVHNAKTKPREEQYNSTYRVVSVLTVLHQDWLNGKEYKCKVSNKALPAPIEKTISKAKGQPREP
QVYTLPPSRDELTKNQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTTTPVLDSDGSFFLYSKLTVDKSRWQQGN
VFSCSVMHEALHNHYTQKSLSLSPGKHHHHHH

Purity:> 95% by HPLC

Concentration:0.25mg/ml (determined by Absorbance at 280nm)

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

Storage:Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.