**TZYBIOTECH**

**TLR2, 19-588aa, Human, His-tag, Baculovirus**

**Cat.NO.: TP04231**

3th Edition

**Synonyms:**Toll-like receptor 2 , TLR2, CD282, TIL4, CD282, CD282 antigen, TIL 4TIL4, TLR 2, TLR2, TLR2_HUMAN, Toll like receptor 2Toll like receptor 2 precursor, Toll-like receptor 2Toll/interleukin 1 receptor like 4.

**Description:**TLR2, as known as toll-like receptor 2, belongs to the toll-like receptor (TLR) family. Human TLR family includes the members that activate the innate immune response via an ability to recognize molecular structures found in a variety of microbial pathogens. Specially, this protein is highly expressed in peripheral blood leukocytes, in particular in monocytes, in bone marrow, lymph node and in spleen. It functions as part of a heterodimeric complex with either TLR1 or TLR6, and possibly other co-receptors. Recombinant human TLR2, fused to 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:**65.5kDa (578aa), 50-70kDa (SDS-PAGE under reducing conditions.)

**Sequences:**
KEESSNQASLSCDRNGICKGSSGSLNSIPSGLTEAVKSLDLSNNRITYISNSDLQRCVNLQALVLTSNGINTIEEDSFS
SLGSLEHLDLSYNYLSNLSSSWFKPLSSLTFLNLLGNPYKTLGETSLFSHLTKLQILRVGNMDTFTKIQRKDFAGLTF
LEELEIDASDLQSYEPKSLKSIQNVSHLILHMKQHILLLEIFVDVTSSVECLELRDTDLDTFHFSELSTGETNSLIKKFTF
RNVKITDESLFQVMKLLNQISGLLELEFDDCTLNGVGNFRASDNDRVIDPGKVETLTIRRLHIPRFYLFYDLSTLYSLT
ERVKRITVENSKVFLVPCLLSQHLKSLEYLDLSENLMVEEYLKNSACEDAWPSLQTLILRQNHLASLEKTGETLLTLK
NLTNIDISKNSFHSMPETCQWPEKMKYLNLSSTRIHSVTGCIPKTLEILDVSNNNLNLFSLNLPQLKELYISRNKLMTL
PDASLLPMLLVLKISRNAITTFSKEQLDSFHTLKTLEAGGNNFICSCEFLSFTQEQQALAKVLIDWPANYLCDSPSHV
RGQQVQDVRLSVSECHRTLEHHHHHH

**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.