

32-6415: IL1R2 Human

Application : Functional Assay

Alternative Name : IL1R2, CD121b, CDw121b, IL-1R-2, IL-1RT-2, IL-1RT2, IL1R2c, IL1RB, IL-1 type II receptor, Interleukin-1 receptor beta, CD121 antigen-like family member B.

Description

Source: Sf9, Insect cells.

Sterile Filtered colorless solution.

IL1R2 is a cytokine receptor which is a part of the interleukin-1 receptor family. IL1R2 is expressed mainly by T cells, endothelial cells and fibroblasts. IL1R2 binds IL1A, IL1B and IL1RN preventing them from binding to their regular receptors and thus inhibiting the transduction of their signaling. Also, Interleukin-4 antagonizes the activity of interleukin-1 by inducing the expression and release of this protein.

IL1R2 produced in Sf9 Insect cells is a single, glycosylated polypeptide chain containing 338 amino acids (14-343a.a.) and having a molecular mass of 38.8kDa (Molecular size on SDS-PAGE will appear at approximately 40-57kDa). IL1R2 is expressed with an 8 amino acid His tag at C-Terminus and purified by proprietary chromatographic techniques.

Product Info

Amount : 1 µg / 5 µg

Purification : Greater than 90% as determined by SDS-PAGE.

Content : IL1R2 protein solution (0.5mg/ml) contains PBS (pH7.4) and 10% glycerol.

Storage condition : 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.

Amino Acid : FTLQPAHTG AARSCRFRGR HYKREFRLEG EPVALRCPQV PYWLWASVSP RINLTWHKND
SARTVPGEEE TRMWAQDGAL WLLPALQEDS GTYVCTTRNA SYCDKMSIEL RVFENTDAFL
PFISYPQILT LSTSGVLVCP DLSEFTRDKT DVKIQWYKDS LLLDKDNEKF
LSVRGTTHLLVHDVALEDAG YYRCVLTFAH EGQQYNITRS IELRIKKKKE ETIPVIISPL
KTISASLGSR LTIPCKVFLG TGTPLTMLW WTANDTHIES AYPGGRVTEG PRQEYSENNE
NYIEVPLIFD PVTREDLHMD FKCVVHNTLS FQTLRTTVKE LEHHHHHH.

Application Note

Measured by its ability to inhibit proliferation using D10.G4.1 mouse helper T cells. The ED50 for this effect is <= to 400 ng/ml with IL-1beta.