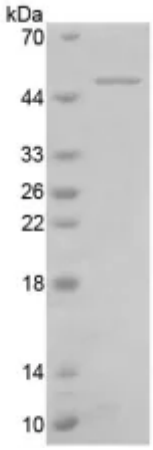
Active Tumor Necrosis Factor Receptor Superfamily, Member 1B (TNFRSF1B)

Catalog#:PEH12683

概述（Summary）

别称（Alternative Names）	CD120B; P75; TBPII; TNF-R-II; TNF-R75; TNFBR; TNFR2; TNFR80; P75tnfr; Tumor necrosis factor receptor 2; p80 TNF-alpha receptor; Etanercept
纯度（Purity）	Greater than 95% as determined by reducing SDS-PAGE.
内毒素（Endotoxin level）	Please contact with the lab for this information
蛋白构建（Construction）	【Ala298-Leu441】
Accession #	P20333
表达宿主（Host）	E.coli
种属（Species）	Homo sapiens (Human)
预测分子量（Predicted MW）	44.8 kDa
制剂（Form）	Lyophilized from a 0.2 μm filtered solution of 20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300.
运输方式（Shipping）	The product is shipped with ice bag. Upon receipt, store it immediately at the temperature listed below.
稳定性&储存（Stability &Storage）	12 months at -20°C to -80°C in lyophilized state.6 months at -20°C to -80°C under sterile conditions after reconstitution.7-10 days at 2°C to 8°C under sterile conditions after reconstitution.Please minimize freeze-thaw cycles.
复溶（Reconstitution）	Reconstitute in 20mM Tris, 150mM NaCl (PH8.0) to a concentration of 0.1-1.0 mg/mL. Do not vortex.
背景介绍（References）	Receptor with high affinity for TNFSF2/TNF-alpha and approximately 5-fold lower affinity for homotrimeric TNFSF1/lymphotoxin-alpha. The TRAF1/TRAF2 complex recruits the apoptotic suppressors BIRC2 and BIRC3 to TNFRSF1B/TNFR2. This receptor mediates most of the metabolic effects of TNF-alpha. Isoform 2 blocks TNF-alpha-induced apoptosis, which suggests that it regulates TNF-alpha function by antagonizing its biological activity.

电泳图（SDS-PAGE image）



Greater than 95% as determined by reducing SDS-PAGE.

活性图（Bioactivity image）

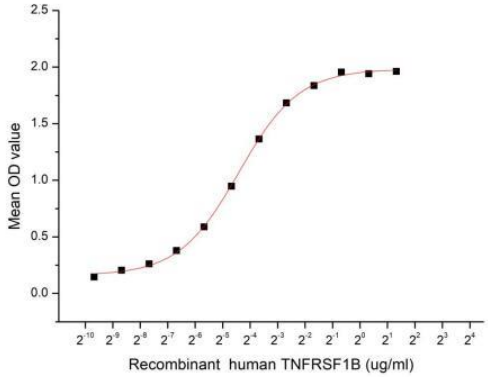


Figure 1. The binding activity of TNFRSF1B with TNFa

Tumor necrosis factor receptor superfamily member 1B (TNFRSF1B) , also known as tumor necrosis factor receptor 2 (TNFR2) and CD120b, is a membrane receptor that binds tumor necrosis factor-alpha (TNFα). This protein and TNF-receptor 1 form a heterocomplex that mediates the recruitment of two anti-apoptotic proteins, c-IAP1 and c-IAP2, which possess E3 ubiquitin ligase activity. Besides, Tumor Necrosis Factor Alpha (TNFa) has been identified as an interactor of TNFRSF1B, thus a functional binding ELISA assay was conducted to detect the interaction of recombinant human TNFRSF1B and recombinant human TNFa. Briefly, TNFRSF1B were diluted serially in PBS with 0.01% BSA (pH 7.4). Duplicate samples of 100 µl were then transferred to TNFa-coated microtiter wells and incubated for 1h at 37 ℃. Wells were washed with PBST and incubated for 1h with anti-TNFRSF1B pAb, then aspirated and washed 3 times. After incubation with HRP labelled secondary antibody, wells were aspirated and washed 3 times. With the addition of substrate solution, wells were incubated 15-25 minutes at 37 ℃. Finally, add 50µL stop solution to the wells and read at 450nm immediately. The binding activity of TNFRSF1B and TNFa was shown in Figure 1, the EC50 was 0.0470~0.085 ug/ml.

注意事项（Note）

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