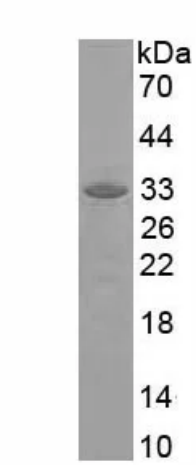
Active Interleukin 7 Receptor (IL7R)

Catalog#:PHH12769

概述（Summary）

别称（Alternative Names）	CDW127; CD127; IL-7R-Alpha
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）	【Glu21-Asp239】
Accession #	P16871
表达宿主（Host）	293F
种属（Species）	Homo sapiens (Human)
预测分子量（Predicted MW）	26.9 kDa
制剂（Form）	Lyophilized from a 0.2 μm filtered solution of PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 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 10mM PBS (pH7.4) to a concentration of 0.1-1.0 mg/mL. Do not vortex.
背景介绍（References）	Receptor for interleukin-7. Also acts as a receptor for thymic stromal lymphopoietin (TSLP).

电泳图（SDS-PAGE image）



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

活性图（Bioactivity image）

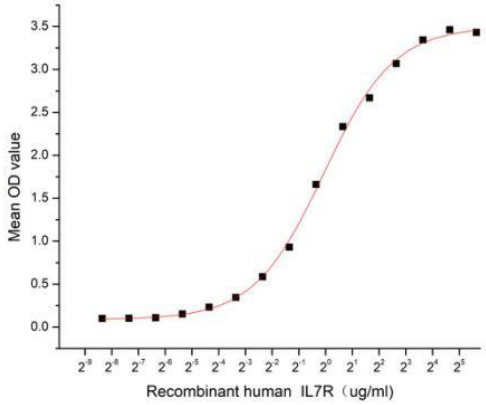


Figure 1. The binding activity of recombinant human IL7R and recombinant human TSLP

Interleukin 7 Receptor (IL7R), also known as CD127, is a 75 kDa hematopoietin receptor superfamily member that plays an important role in lymphocyte differentiation, proliferation and survival. Besides, IL7R is involved in the pathogenesis of neurodegenerative disorders, such as multiple sclerosis. Thymic Stromal Lymphopoietin (TSLP) has been identified as an interactor of IL7R, thus a functional binding ELISA assay was conducted to detect the interaction of recombinant human IL7R and recombinant human TSLP. Briefly, biotin-linked IL7R were diluted serially in PBS, with 0.01% BSA (pH 7.4). Duplicate samples of 100 ul were then transferred to TSLP-coated microtiter wells and incubated for 1h at 37℃. Wells were washed with PBST 3 times and incubation with Streptavidin-HRP for 30min, then wells were aspirated and washed 5 times. With the addition of substrate solution, wells were incubated 15-25 minutes at 37℃. Finally, add 50 µl stop solution to the wells and read at 450 nm immediately. The binding activity of IL7R and TSLP was shown in Figure 1, the EC50 for this effect is 0.956 ug/mL.

注意事项（Note）

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