

Interleukin 2 Receptor Alpha (IL2Ra) Active Protein | IL2Ra active protein

Active Interleukin 2 Receptor Alpha (IL2Ra)

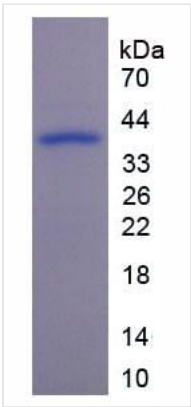
CATALOG # AAA148244	HOST E Coli	REACTIVITY Mouse	APPLICATIONS Activity Assay, Cell Culture
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PRODUCT SYNONYMS

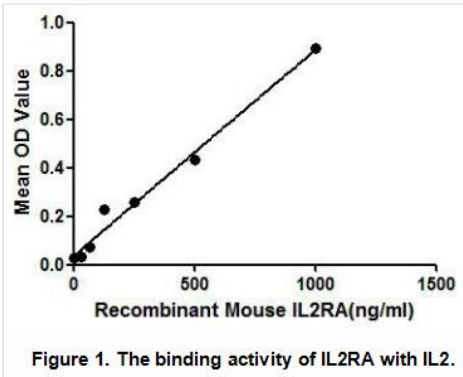
Interleukin 2 Receptor Alpha (IL2Ra); Active Interleukin 2 Receptor Alpha (IL2Ra); CD25; IL2R-a; IL2-RA; IDDM10; IL2R; TCGFR; p55; TAC antigen; IL2Ra active protein

PRODUCT SPECIFICATIONS

Host	E Coli
Reactivity	Mouse
Purity/Purification	> 90%
Form/Format	Freeze-dried powder
Sequence Length	268
Applicable Applications for IL2Ra active protein	Activity Assay, Cell Culture
Tag	N-terminal His Tag
Buffer Formulation	20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300.
Fragment	Glu22~Lys236
Isoelectric Point	7.2



SDS-PAGE



Activity

IL2RA (Interleukin-2 receptor alpha chain), also known as Tac antigen and as CD25, was initially identified as a 55kDa membrane glycoprotein which is capable of binding IL2. Besides, mouse IL2 shares 75.1% AA sequence identity with rat IL2, suggesting the exist of cross-species activity. Thus we have conducted a binding ELISA assay to detect the interaction of recombinant rat IL2RA with recombinant mouse IL2. Briefly, IL2RA were diluted serially in PBS, with 0.01%BSA (pH 7.4). Duplicate samples of 100uL were then transferred to IL2-coated microtiter wells and incubated for 2h at 37 degree C. Wells were washed with PBST and incubated for 1h with anti-IL2RA 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 degree C. Finally, add 50uL stop solution to the wells and read at 450nm immediately. The binding activity of IL2RA with IL2 was shown in Figure 1 and this effect was in a dose dependent manner.

ADDITIONAL INFORMATION

Product Categories/Family for IL2Ra active protein	Signal transduction; CD & Adhesion molecule; Tumor immunity; Infection immunity
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NCBI AND UNIPROT INFORMATION

UniProt Accession #	P01590; Q61731
Molecular Weight	Predicted Molecular Weight: 28.4kDa Accurate Molecular Weight: 37kDa
UniProt Protein Name	Interleukin-2 receptor subunit alpha
UniProt Gene Name	IL2ra
UniProt Synonym Gene Names	IL2r; IL-2 receptor subunit alpha; IL-2-RA; IL-2R subunit alpha; IL2-RA

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/e-coli-mouse-active-protein/interleukin-2-receptor-alpha-il2ra/148244>