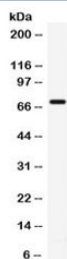


IL7R Antibody / CD127 (R32384)

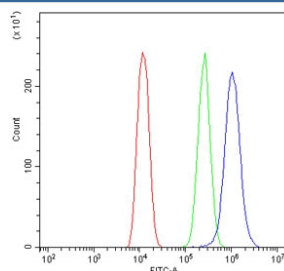
Catalog No.	Formulation	Size
R32384	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Antigen affinity purified
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity
Buffer	Lyophilized from 1X PBS with 2.5% BSA and 0.025% sodium azide
UniProt	P16871
Applications	Western Blot : 0.1-0.5ug/ml Flow Cytometry : 1-3ug/10 ⁶ cells
Limitations	This IL7R antibody is available for research use only.



Western blot testing of human 22RV1 cell lysate with IL7R antibody. Predicted molecular weight: ~51/60-90 kDa (unmodified/glycosylated).



Flow cytometry testing of human U-2 OS cells with IL7R antibody at 1ug/10⁶ cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= IL7R antibody.

Description

The interleukin-7 receptor, also known as IL7R alpha, is a protein found on the surface of cells. It is mapped to 5p13. Interleukin-7 receptor has been shown to play a critical role in the development of immune cells called lymphocytes - specifically in a process known as V(D)J recombination. This protein is also found to control the accessibility of a region of the genome that contains the T-cell receptor gamma gene, by STAT5 and histone acetylation. Knockout studies in mice suggest that blocking apoptosis is an essential function of this protein during differentiation and activation of T lymphocytes. Functional defects in this protein may be associated with the pathogenesis of severe combined immunodeficiency (SCID).

Immunogen

Amino acids DHKKTLEHLCKKPRKLNVSFNPESFLDCQIHRVDDIQ from IL7R alpha were used as the immunogen for the IL7R antibody.

Storage

After reconstitution, the IL7R antibody can be stored for up to one month at 4°C. For long-term, aliquot and store at -20°C. Avoid repeated freezing and thawing.