IL-15RA Recombinant antibody, PBS Only

Catalog Number:84582-8-PBS

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Basic Information

Catalog Number:
84582-8-PBS

Concentration:
1 mg/ml

Source:
Rabbit

Isotype:
IgG

GenBank Accession Number:
BC107777

GeneID (NCBI):
3601

UNIPROT ID:
Q13261

Full Name:
interleukin 15 receptor, alpha

Calculated MW:
231 aa, 24 kDa

Observed MW:
50 kDa

Purification Method:
Protein A purification

CloneNo.:
242689D6

Applications

Tested Applications:
WB, Indirect ELISA

Species Specificity:
human

Background Information

Interleukin-15 (IL-15) is a pleiotropic cytokine that plays an important role in both innate and adaptive immunity. IL-15 is mainly produced by activated monocytes, macrophages and dendritic cells, and is structurally similar to IL-2 (PMID: 8178155; 12401478). These two cytokines share the same IL-2/15Rβ and common γ-chain receptor subunits. In addition, IL-2 and IL-15 have their own private α-chain receptor subunit, IL-2Rα and IL-15Rα, respectively (PMID: 7641685). The IL-15Rα chain is expressed by many cell types including monocytes, DCs, NK, T cells and fibroblasts. Several isoforms of IL-15Rα exist and are generated either by alternative splicing or by proteolytic cleavage (PMID: 10480910; 15265897). The calculated molecular weight of full-length IL-15Rα is 28 kDa, IL-15Rα can be glycosylated, and larger apparent molecular weights have been reported by some researches (PMID: 10480910; 15976182; 15671076; 17912462).
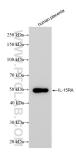
Storage

Storage:
Store at -80℃.
The product is shipped with ice packs. Upon receipt, store it immediately at -80℃
Storage Buffer:
PBS only, pH7.3

Selected Validation Data

Human placenta tissue was subjected to SDS PAGE followed by western blot with 84582-8-RR (IL15RA antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 84582-8-PBS in a different storage buffer formulation.