

For Research Use Only

Anti-Mouse IL-15 Rabbit Recombinant Antibody, PBS Only

Catalog Number: 98036-1-PBS



Basic Information

Catalog Number:

98036-1-PBS

Size:

1mg, 2mg/ml

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

NM_001254747

GeneID (NCBI):

16168

UNIPROT ID:

P48346

Full Name:

interleukin 15

Calculated MW:

19 kDa

Purification Method:

Protein A purification

CloneNo.:

230285B3

Applications

Tested Applications:

FC (Intra)

Species Specificity:

mouse

Background Information

IL-15 is a 4- α -helix bundle cytokine playing a pivotal role in stimulation of both innate and adaptive immune cells. It is produced primarily by keratinocytes, skeletal muscle cells, monocytes, and CD4⁺ T cells. It is a member of the common gamma chain family. The members of the common gamma chain family include the IL-2, IL-4, IL-7, IL-9, and IL-21 and require binding to the common gamma chain receptor for activation. It can be used in growth and maintenance of T and NK cells. It is also shown to be used in proliferation and functional effect of T cells for adoptive cell therapy. It is a glycosylated protein and HumanKine IL-15 appear as 12.5-25 kDa bands (PMID: 24587813, 26627006, 27849617, 31250350)

Storage

Storage:

Store at -80°C.

Storage Buffer:

PBS Only

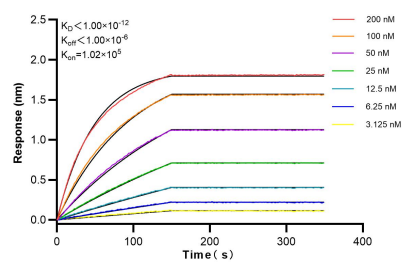
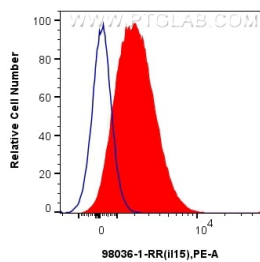
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Selected Validation Data



1x10⁶ Mouse PBMCs were intracellularly stained with 0.25 ug Anti-Mouse IL-15 Rabbit Recombinant Antibody (98036-1-RR, Clone: 230285B3) (red) or Isotype Control (blue), and PE-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L). Cells were fixed with 4% PFA and permeabilized with Intracellular Staining Permeabilization Wash Buffer. This data was developed using the same antibody clone with 98036-1-PBS in a different storage buffer formulation.

Biolayer interferometry (BLI) kinetic assays of 98036-1-RR against Mouse IL-15 were performed. The affinity constant is below 1 pM.