For Research Use Only

Anti-Mouse IL-23 p19 Rabbit Recombinant Antibody, PBS Only

Catalog Number:98392-1-PBS

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Basic Information

Catalog Number:
98392-1-PBS

Size:
1mg , 2 mg/ml

Source:
Rabbit

Isotype:
IgG

Immunogen Catalog Number:
EG1634

GenBank Accession Number:
NM_031252.2

GeneID (NCBI):
83430

UNIPROT ID:
Q9EQ14

Full Name:
interleukin 23, alpha subunit p19

Calculated MW:
22 kDa

Purification Method:
Protein A purification

CloneNo.:
242139G12

Applications

Tested Applications:
FC (Intra)

Species Specificity:
mouse

Background Information

IL-12 and IL-23 are heterodimeric cytokines that share a common p40 subunit (PMID: 11114383). IL-12 is composed of the IL-12 p40 subunit linked to the IL-12 p35 subunit, and the heterodimer signals through the IL-12 receptor (IL-12R), which comprises the IL-12Rβ1 and IL-12Rβ2 subunits. IL-23 is composed of the IL-23 p19 subunit and the IL-12 p40 (IL-12/23p40) subunit, which signals through IL-23R and IL-12Rβ1 (PMID: 11114383; 26121196). IL-12/IL-23 p40 also exists as a monomer and as a homodimer which can act as a potent IL-12 antagonist (PMID: 8958912; 18783467). IL-12/IL-23 p40 is produced by antigen-presenting cells, such as dendritic cells (DCs), monocytes, macrophages, neutrophils and, to a lesser extent, B cells (PMID: 20476918).

Storage

Storage:
Store at -80°C.
Storage Buffer:
PBS only, pH7.3

For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
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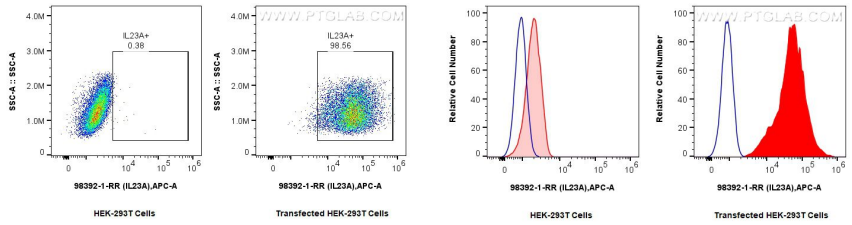
This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



1x10^6 HEK-293T cells(left) and IL23A -transfected HEK-293T cells(right) were stained with 0.25 ug Anti-Mouse IL23A Rabbit RecAb (98392-1-RR, Clone:242139G12) and APC-Conjugated Goat Anti-Rabbit IgG(H+L).Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer. This data was developed using the same antibody clone with 98392-1-PBS in a different storage buffer formulation.

1x10^6 HEK-293T cells(left) and IL23A -transfected HEK-293T cells(right) were stained with 0.25 ug Anti-Mouse IL23A Rabbit RecAb (98392-1-RR, Clone:242139G12)(red), or Rabbit IgG Isotype Control RecAb (98136-1-RR, Clone: 240953C9) (blue) and APC-Conjugated Goat Anti-Rabbit IgG(H+L).Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer. This data was developed using the same antibody clone