For Research Use Only

Anti-Human IL-24 Rabbit Recombinant Antibody

Catalog Number:98735-3-RR

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Basic Information

Catalog Number:
98735-3-RR

Size:
100ug , 1000 µg/ml

Source:
Rabbit

Isotype:
IgG

Immunogen Catalog Number:
EG4971

GenBank Accession Number:
BC009681

GeneID (NCBI):
11009

UNIPROT ID:
Q13007

Full Name:
interleukin 24

Calculated MW:
207 aa, 24 kDa

Purification Method:
Protein A purification

CloneNo.:
251947A2

Recommended Dilutions:
IHC: 1:500-1:2000
FC (Intra): 0.25 ug per 10^6 cells in a 100 µl suspension

Applications

Tested Applications:
IHC, FC (Intra)

Species Specificity:
human

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

IHC : human tonsillitis tissue,

FC (Intra) : Transfected CHO cells,

Background Information

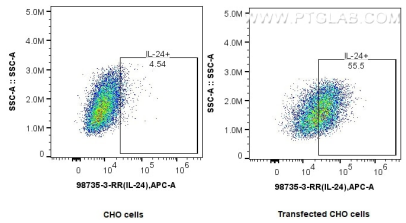
Interleukin-24 (IL-24), also known as Melanoma Differentiation-Associated gene 7 (mda-7), is a protein that belongs to the IL-10 family of cytokines. It was initially discovered in 1995 by researchers Paul B. Fisher and colleagues as a gene that is induced during the terminal differentiation of melanoma cells. IL-24 is secreted by multiple cell types, such as immune cells (T cells, B cells, NK cells, macrophages), and non-immune cells (epithelial cells and fibroblasts).

Storage

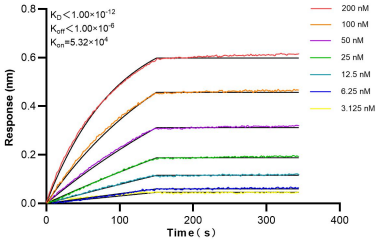
Storage:
Store at 2 - 8°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.09% sodium azide, pH7.3

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
W: ptglab.com

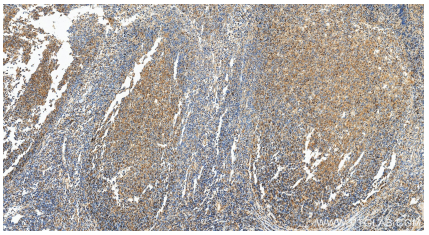
Selected Validation Data



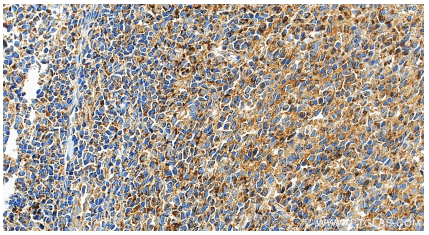
1x10^6 CHO cells or IL-24 transfected CHO cells were intracellularly stained with 0.25 ug Anti-Human IL-24 Rabbit RecAb (98735-3-RR, Clone: 251947A2) and CoraLite647-conjugated F(ab')2 Fragment Donkey Anti-Rabbit IgG (H+L) (SA00014-7). Cells were fixed and permeabilized with Intracellular Flow Cytometry Fixation & Permeabilization Buffer Kit (PF00019).



Biolayer interferometry (BLI) kinetic assays of 98735-3-RR against Human IL-24 were performed. The affinity constant is below 1 pM.



Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 98735-3-RR (IL-24 antibody) at dilution of 1:1000 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



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