For Research Use Only

IL-19 Polyclonal antibody

Catalog Number:23705-1-AP 1 Publications

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Basic Information

Catalog Number:
23705-1-AP

Size:
150ul , Concentration: 650 μg/ml by Nanodrop and 427 μg/ml by Bradford method using BSA as the standard;

Source:
Rabbit

Isotype:
IgG

Immunogen Catalog Number:
AG18887

GenBank Accession Number:
BC153127

GeneID (NCBI):
29949

Full Name:
interleukin 19

Calculated MW:
177 aa, 20 kDa

Purification Method:
Antigen affinity purification

Recommended Dilutions:
IHC 1:20-1:200

Applications

Tested Applications:
IHC,ELISA

Cited Applications:
IF

Species Specificity:
human

Cited Species:
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 skin cancer tissue,

Background Information

IL-19, a member of the IL-10 cytokine family (IL-10, -19, -20, -22, -24, -26, -28, and -29), is expressed in epithelial cells, endothelial cells, and macrophages. It can bind the interleukin-20 receptor complex IL-20R1/IL-20R2 and lead to the activation of the signal transducer and activator of transcription 3 (STAT3). IL-19 induces IL-6 and TNF-α production in monocytes. It also induces cell apoptosis and reactive oxygen species production in monocytes, which suggests a role of this cytokine in inflammatory responses. It is up-regulated in monocytes following stimulation with lipopolysaccharide (LPS), and granulocyte-macrophage colony-stimulating factor (GM-CSF). IL-19 alters the balance of Th1 and Th2 cells in favor of Th2 cells. IL-19 contributes to a range of diseases and disorders, such as breast cancer, squamous cell carcinoma of the skin, asthma, endotoxic shock, uremia, psoriasis, rheumatoid arthritis, and periodontal and vascular disease.

Notable Publications

Author	Pubmed ID	Journal	Application
Hongwei Bao	36316415	Inflamm Res	IF

Storage

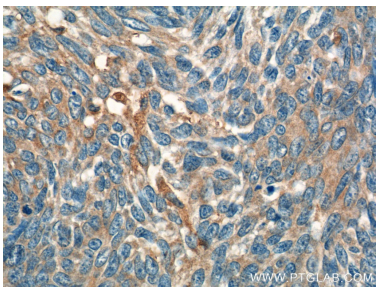
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

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

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



Immunohistochemical analysis of paraffin-embedded human skin cancer tissue slide using 23705-1-AP (IL-19 antibody at dilution of 1:50 (under 40x lens).