

For Research Use Only

IL-19 Polyclonal antibody

Catalog Number: 23705-1-AP

1 Publications



Basic Information

| | | |
|-------------------------------------------------------------------------------------------------------------------------|----------------------------------------------|--------------------------------------------------------------|
| Catalog Number: 23705-1-AP | GenBank Accession Number: BC153127 | Purification Method: Antigen affinity purification |
| Size: 150ul, Concentration: 650 ug/ml by Nanodrop and 427 ug/ml by Bradford method using BSA as the standard; | GeneID (NCBI): 29949 | Recommended Dilutions: IHC 1:20-1:200 |
| Source: Rabbit | UNIPROT ID: Q9UHD0 | |
| Isotype: IgG | Full Name: interleukin 19 | |
| Immunogen Catalog Number: AG18887 | Calculated MW: 177 aa, 20 kDa | |

Applications

| | |
|-------------------------------------------|--------------------------------------------------------------|
| Tested Applications: IHC, ELISA | Positive Controls: IHC : human skin cancer tissue, |
| 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

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, endotoxemic shock, uremia, psoriasis, rheumatoid arthritis, and periodontal and vascular disease.

Notable Publications

| Author | Pubmed ID | Journal | Application |
|-------------|-----------|-------------|-------------|
| Hongwei Bao | 36316415 | Inflamm Res | IF |

Storage

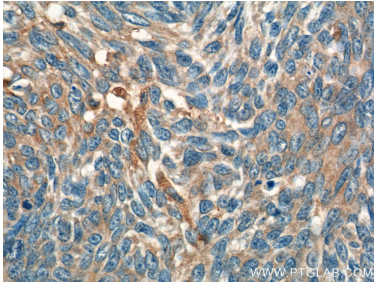
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 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)
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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).