

For Research Use Only

IFN-gamma Polyclonal antibody

Catalog Number: 30293-1-AP

1 Publications



Basic Information

Catalog Number:

30293-1-AP

Size:

150ul, Concentration: 550 ug/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

NM_138880

GeneID (NCBI):

25712

UNIPROT ID:

P01581

Full Name:

interferon gamma

Calculated MW:

18 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

IHC: 1:50-1:500

FC (Intra): 0.50 ug per 10⁶ cells in a 100 µl suspension

Applications

Tested Applications:

IHC, FC (Intra), ELISA

Species Specificity:

rat

Positive Controls:

IHC : rat spleen tissue,

FC (Intra) : PMA and ionomycin treated rat splenocytes cells,

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

IFN gamma (IFNG) is a soluble cytokine that is the only member of the type II class of IFN. It is secreted by Th1 cells, cytotoxic T cells and NK cells. The cytokine is associated with antiviral, immunoregulatory and anti-tumor properties and is a potent activator of macrophages. It plays crucial roles in pathogen clearance. Aberrant IFNG expression is associated with a number of autoinflammatory and autoimmune diseases. It has been identified in many studies as a biomarker for pleural tuberculosis (TB).

Notable Publications

| Author | Pubmed ID | Journal | Application |
|-----------------|-----------|---------|-------------|
| Dwight D Harris | 37940431 | Surgery | |

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

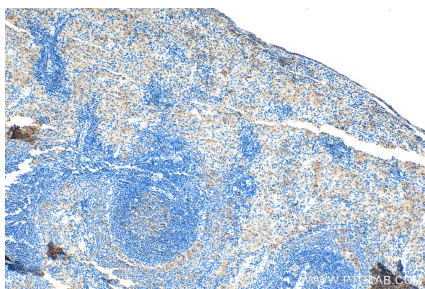
For technical support and original validation data for this product please contact:

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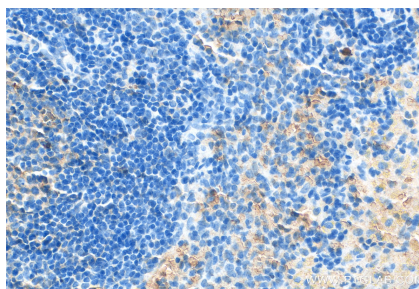
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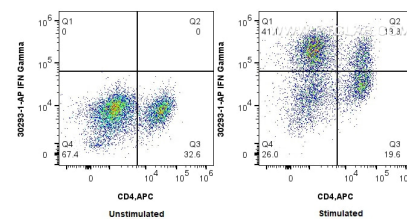
Selected Validation Data



Immunohistochemical analysis of paraffin-embedded rat spleen tissue slide using 30293-1-AP (IFN Gamma antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded rat spleen tissue slide using 30293-1-AP (IFN Gamma antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



1X10⁶ PMA and ionomycin treated rat splenocytes cells were intracellularly stained with 0.5 ug Anti-Rat IFN Gamma (30293-1-AP) and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) at dilution 1:1000, and 0.5 ug APC Anti-Rat CD4 (OX-35) (APC-65179, Clone: OX-35), and 0.5 ug Rabbit IgG control Rabbit PolyAb (30000-0-AP, Clone:). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).