

IFNGR2 Antibody (C-term) Blocking Peptide

Synthetic peptide Catalog # BP6995b

Specification

IFNGR2 Antibody (C-term) Blocking Peptide - Product Information

Primary Accession

P38484

IFNGR2 Antibody (C-term) Blocking Peptide - Additional Information

Gene ID 3460

Other Names

Interferon gamma receptor 2, IFN-gamma receptor 2, IFN-gamma-R2, Interferon gamma receptor accessory factor 1, AF-1, Interferon gamma transducer 1, IFNGR2, IFNGT1

Target/Specificity

The synthetic peptide sequence used to generate the antibody AP6995b was selected from the C-term region of human IFNGR2. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

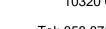
This product is for research use only. Not for use in diagnostic or therapeutic procedures.

IFNGR2 Antibody (C-term) Blocking Peptide - Protein Information

Name IFNGR2 (HGNC:5440)

Function

Associates with IFNGR1 to form a receptor for the cytokine interferon gamma (IFNG) (PubMed:8124716, PubMed:7673114, PubMed:7615558). Ligand binding stimulates activation of the JAK/STAT signaling pathway (PubMed:8124716, PubMed:7673114, PubMed:15356148). Required for signal transduction in contrast to other receptor subunit responsible for ligand binding (PubMed:7673114).





Cellular Location

Cell membrane; Single-pass type I membrane protein. Cytoplasmic vesicle membrane; Single-pass type I membrane protein. Golgi apparatus membrane; Single-pass type I membrane protein. Endoplasmic reticulum membrane; Single-pass type I membrane protein. Cytoplasm. Note=Has low cell surface expression and high cytoplasmic expression in T cells. The bias towards cytoplasmic expression may be due to ligand-independent receptor internalization and recycling.

Tissue Location

Expressed in T-cells (at protein level).

IFNGR2 Antibody (C-term) Blocking Peptide - Protocols

Provided below are standard protocols that you may find useful for product applications.

• Blocking Peptides

IFNGR2 Antibody (C-term) Blocking Peptide - Images

IFNGR2 Antibody (C-term) Blocking Peptide - Background

IFNGR2 is the non-ligand-binding beta chain of the gamma interferon receptor. Human interferon-gamma receptor is a heterodimer of IFNGR1 and IFNGR2. Defects in IFNGR2 are a cause of mendelian susceptibility to mycobacterial disease (MSMD), also known as familial disseminated atypical mycobacterial infection.

IFNGR2 Antibody (C-term) Blocking Peptide - References

Kotenko, S.V., et.al., J. Biol. Chem. 270 (36), 20915-20921 (1995)