

IFNGR2 Antibody (C-term) Blocking Peptide
Synthetic peptide
Catalog # BP6995b**Specification**

IFNGR2 Antibody (C-term) Blocking Peptide - Product InformationPrimary 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](/products/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 InformationName IFNGR2 ([HGNC:5440](#))**Function**

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