

PRF1 (Human) ELISpot Kit

Catalog # KA3933

Size 1 Kit

Specification

Product Description	PRF1 (Human) ELISpot Kit is a sandwich enzyme immunoassay for the quantitative measurement of Human PRF1.
Suitable Sample	Cell
Sample Volume	100 μ L
Label	Biotin-conjugated
Detection Method	Colorimetric
Assay Type	Quantitative
Reactivity	Human
Regulation Status	For research use only (RUO)
Storage Instruction	Store the kit at 4°C.

Applications

- Quantification

Gene Info — PRF1

Entrez GeneID	5551
Gene Name	PRF1
Gene Alias	FLH2, HPLH2, MGC65093, P1, PFN1, PFP
Gene Description	perforin 1 (pore forming protein)

Omim ID [170280 603553 605027](#)

Gene Ontology [Hyperlink](#)

Gene Summary

The protein encoded by this gene has structural and functional similarities to complement component 9 (C9). Like C9, this protein creates transmembrane tubules and is capable of lysing non-specifically a variety of target cells. This protein is one of the main cytolytic proteins of cytolytic granules, and it is known to be a key effector molecule for T-cell- and natural killer-cell-mediated cytotoxicity. Defects in this gene cause familial hemophagocytic lymphohistiocytosis type 2 (HPLH2), a rare and lethal autosomal recessive disorder of early childhood. Alternative splicing results in multiple transcript variants encoding the same protein. [provided by RefSeq]

Other Designations OTTHUMP00000019759|cytolysin|lymphocyte pore forming protein|perforin 1

Pathway

- [Allograft rejection](#)
- [Autoimmune thyroid disease](#)
- [Graft-versus-host disease](#)
- [Natural killer cell mediated cytotoxicity](#)
- [Type I diabetes mellitus](#)

Disease

- [Alzheimer Disease](#)
- [Arthritis](#)
- [Asthma](#)
- [Autoimmune Diseases](#)
- [Bronchiolitis](#)
- [Diabetes Mellitus](#)
- [Disease Progression](#)
- [Epstein-Barr Virus Infections](#)
- [Genetic Predisposition to Disease](#)
- [HIV Infections](#)

- [HTLV-I Infections](#)
- [Infant](#)
- [Leukemia](#)
- [Lymphohistiocytosis](#)
- [Lymphoma](#)
- [Lymphoproliferative Disorders](#)
- [Macrophage Activation Syndrome](#)
- [Multiple Sclerosis](#)
- [Respiratory Syncytial Virus Infections](#)