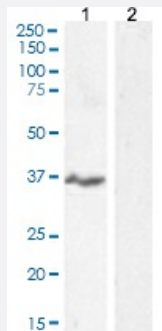


# KLRK1 polyclonal antibody

Catalog # PAB6828

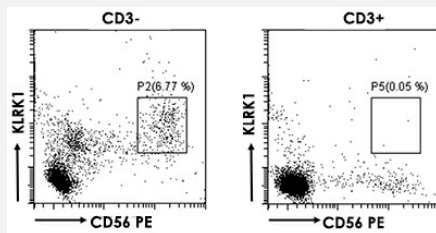
Size 100 ug

## Applications



### Western Blot (Cell lysate)

KLRK1 polyclonal antibody (Cat # PAB6828) staining (0.5 ug/mL) of MOLT-4 cell lysate (1) + peptide (2). (35 ug protein in RIPA buffer). Detected by chemiluminescence.



### Flow Cytometry

KLRK1 polyclonal antibody (Cat # PAB6828) Flow cytometric analysis of human peripheral blood monocytes. Primary incubation 30 minutes (10 ug/mL) followed by Alexa Fluor 488 secondary antibody (1 ug/mL).

## Specification

Product Description	Goat polyclonal antibody raised against synthetic peptide of KLRK1.
Immunogen	A synthetic peptide corresponding to human KLRK1.
Sequence	C-KVYSKEDQDLLK
Host	Goat
Theoretical MW (kDa)	25.3
Reactivity	Human
Form	Liquid

Purification	Antigen affinity purification
Concentration	0.5 mg/mL
Quality Control Testing	Antibody Reactive Against Synthetic Peptide.
Recommend Usage	ELISA (1:64000) Flow Cytometry (10 ug/mL) Western Blot (0.1-0.5 ug/mL) The optimal working dilution should be determined by the end user.
Storage Buffer	In Tris saline, pH 7.3 (0.5% BSA, 0.02% sodium azide)
Storage Instruction	Store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

## Applications

- Western Blot (Cell lysate)

KLRK1 polyclonal antibody (Cat # PAB6828) staining (0.5 ug/mL) of MOLT-4 cell lysate (1) + peptide (2). (35 ug protein in RIPA buffer). Detected by chemiluminescence.

- Enzyme-linked Immunoabsorbent Assay

- Flow Cytometry

KLRK1 polyclonal antibody (Cat # PAB6828) Flow cytometric analysis of human peripheral blood monocytes. Primary incubation 30 minutes (10 ug/mL) followed by Alexa Fluor 488 secondary antibody (1 ug/mL).

## Gene Info — KLRK1

Entrez GeneID	<a href="#">22914</a>
Protein Accession#	<a href="#">NP_031386.1</a>
Gene Name	KLRK1
Gene Alias	CD314, D12S2489E, FLJ17759, FLJ75772, KLR, NKG2-D, NKG2D
Gene Description	killer cell lectin-like receptor subfamily K, member 1
Gene Ontology	<a href="#">Hyperlink</a>

**Gene Summary**

Natural killer (NK) cells are lymphocytes that can mediate lysis of certain tumor cells and virus-infected cells without previous activation. They can also regulate specific humoral and cell-mediated immunity. NK cells preferentially express several calcium-dependent (C-type) lectins, which have been implicated in the regulation of NK cell function. This gene encodes a member of the NKG2 family, and the encoded transmembrane protein is characterized by a type II membrane orientation (extracellular C terminus) and the presence of a C-type lectin domain. The NKG2 gene family is located within the NK complex, a region that contains several C-type lectin genes preferentially expressed in NK cells. [provided by RefSeq]

**Other Designations**

NK cell receptor D|NKG2-D type II integral membrane protein

**Publication Reference**

- [Innate immune recognition and suppression of tumors.](#)

Hayakawa Y, Smyth MJ.

Advances in Cancer Research 2006 Jan; 95:293.

Application: IHC-P, WB-Tr, PI, Human, Mouse, Human skin carcinoma, Mouse NK cells

**Pathway**

- [Natural killer cell mediated cytotoxicity](#)

**Disease**

- [Abortion](#)
- [Arthritis](#)
- [Bile Duct Neoplasms](#)
- [Cholangiocarcinoma](#)
- [Cholangitis](#)
- [Colorectal Neoplasms](#)
- [Esophageal Neoplasms](#)
- [Genetic Predisposition to Disease](#)
- [Head and Neck Neoplasms](#)
- [Hepatitis B](#)

- [Lupus Erythematosus](#)
- [Lymphocytosis](#)
- [Lymphoproliferative Disorders](#)
- [Respiratory Tract Neoplasms](#)