

CD85K Monoclonal Antibody

Description

Product type	Antibody
Code	BT-MCA3130
Host	Mouse
Isotype	Mouse IgG1
Size	100µL, 50µL
Immunogen	Purified recombinant fragment of human CD85K (AA: 22-259) expressed in E. Coli.
Mol wt	49kDa
Species reactivity	Others
Clonality	Monoclonal
Recommended application	IHC,ICC,FCM
Concentration	N/A
Full name	N/A
Synonyms	ILT3;LIR5;LILRB4;ILT-3;LIR-5

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

Background

This gene is a member of the leukocyte immunoglobulin-like receptor (LIR) family, which is found in a gene cluster at chromosomal region 19q13.4. The encoded protein belongs to the subfamily B class of LIR receptors which contain two or four extracellular immunoglobulin domains, a transmembrane domain, and two to four cytoplasmic immunoreceptor tyrosine-based inhibitory motifs (ITIMs). The receptor is expressed on immune cells where it binds to MHC class I molecules on antigen-presenting cells and transduces a negative signal that inhibits stimulation of an immune response. The receptor can also function in antigen capture and presentation. It is thought to control inflammatory responses and cytotoxicity to help focus the immune response and limit autoreactivity. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2008]

Recommended Dilution

WB: 1:500 - 1:2000

IHC-p: 1:200 - 1:1000

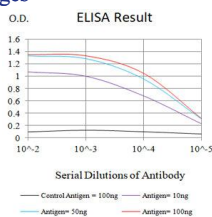
ICC: 1:200 - 1:1000

FCM: 1:200 - 1:400

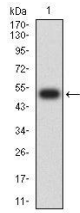
ELISA: 1:10000

Not yet tested in other applications.

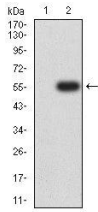
Images



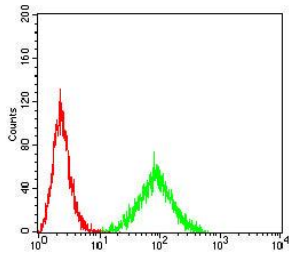
Black line: Control Antigen (100 ng);Purple line: Antigen (10ng); Blue line: Antigen (50 ng); Red line:Antigen (100 ng)



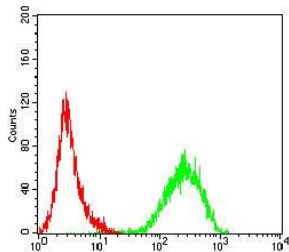
Western blot analysis using CD85K mAb against human CD85K (AA: 22-259) recombinant protein. (Expected MW is 52.2 kDa)



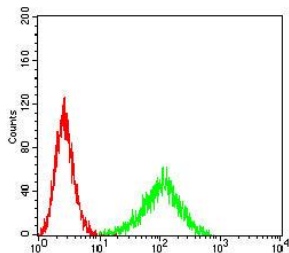
Western blot analysis using CD85K mAb against HEK293-6e (1) and CD85K (AA: 22-259)-hIgGFc transfected HEK293-6e (2) cell lysate.



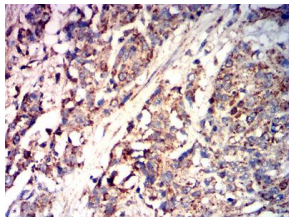
Flow cytometric analysis of HL-60 cells using CD85K mouse mAb (green) and negative control (red).



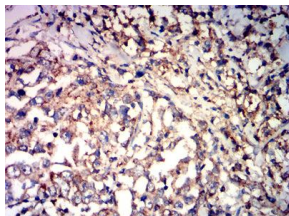
Flow cytometric analysis of Jurkat cells using CD85K mouse mAb (green) and negative control (red).



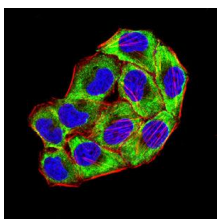
Flow cytometric analysis of THP-1 cells using CD85K mouse mAb (green) and negative control (red).



Immunohistochemical analysis of paraffin-embedded esophageal cancer tissues using CD85K mouse mAb with DAB staining.



Immunohistochemical analysis of paraffin-embedded stomach cancer tissues using CD85K mouse mAb with DAB staining.



Immunofluorescence analysis of HeLa cells using CD85K mouse mAb (green). Blue: DRAQ5 fluorescent DNA dye. Red: Actin filaments have been labeled with Alexa Fluor- 555 phalloidin. Secondary antibody from Fisher (Cat#: 35503)

Storage

Store at 4°C short term. Aliquot and store at -20°C long term.

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