

## CD130 Monoclonal Antibody

### Description

<b>Product type</b>	Antibody
<b>Code</b>	BT-MCA2042
<b>Host</b>	Mouse
<b>Isotype</b>	Mouse IgG1
<b>Size</b>	100µL, 50µL
<b>Immunogen</b>	Purified recombinant fragment of human CD130 (AA: extra 73-231) expressed in E. Coli.
<b>Mol wt</b>	103.5kDa
<b>Species reactivity</b>	Human,Monkey
<b>Clonality</b>	Monoclonal
<b>Recommended application</b>	WB,ICC,FCM
<b>Concentration</b>	N/A
<b>Full name</b>	N/A
<b>Synonyms</b>	IL6ST;GP130;CDW130;IL-6RB

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

### Background

The protein encoded by this gene is a signal transducer shared by many cytokines, including interleukin 6 (IL6), ciliary neurotrophic factor (CNTF), leukemia inhibitory factor (LIF), and oncostatin M (OSM). This protein functions as a part of the cytokine receptor complex. The activation of this protein is dependent upon the binding of cytokines to their receptors. vIL6, a protein related to IL6 and encoded by the Kaposi sarcoma-associated herpesvirus, can bypass the interleukin 6 receptor (IL6R) and directly activate this protein. Knockout studies in mice suggest that this gene plays a critical role in regulating myocyte apoptosis. Alternatively spliced transcript variants have been described. A related pseudogene has been identified on chromosome 17. [provided by RefSeq, May 2014]

### Recommended Dilution

WB: 1:500 - 1:2000

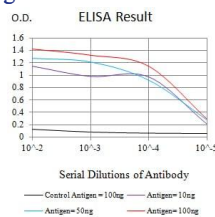
ICC: 1:200 - 1:1000

FCM: 1:200 - 1:400

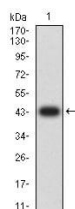
ELISA: 1:10000

Not yet tested in other applications.

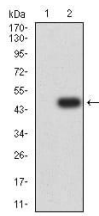
### Images



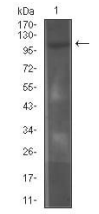
Black line: Control Antigen (100 ng);Purple line: Antigen (10ng); Blue line: Antigen (50 ng); Red line:Antigen (100 ng)



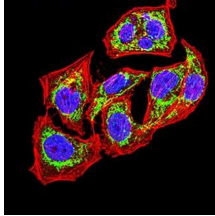
Western blot analysis using CD130 mAb against human CD130 (AA: extra 73-231) recombinant protein. (Expected MW is 43.8 kDa)



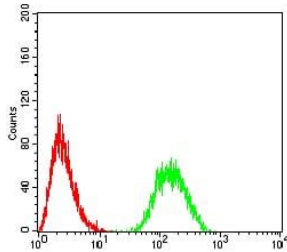
Western blot analysis using CD130 mAb against HEK293 (1) and CD130 (AA: extra 73-231)-hlgGFc transfected HEK293 (2) cell lysate.



Western blot analysis using CD130 mouse mAb against COS7 (1) cell lysate.



Immunofluorescence analysis of HeLa cells using CD130 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)



Flow cytometric analysis of HL-60 cells using CD130 mouse mAb (green) and negative control (red).

### Storage

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

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