

CD121B Monoclonal Antibody

Description

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|--------------------------------|--|
| Product type | Antibody |
| Code | BT-MCA4736 |
| Host | Mouse |
| Isotype | Mouse IgG1 |
| Size | 100µL, 50µL |
| Immunogen | Purified recombinant fragment of human CD121B (AA: extra 14-343) expressed in HEK293-6e cells supernatant. |
| Mol wt | 45.4kDa |
| Species reactivity | Others |
| Clonality | Monoclonal |
| Recommended application | WB,FCM |
| Concentration | N/A |
| Full name | N/A |
| Synonyms | IL1R2;IL1RB;IL1R2c;CDw121b;IL-1R-2;IL-1RT2;IL-1RT-2 |

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 cytokine receptor that belongs to the interleukin 1 receptor family. This protein binds interleukin alpha (IL1A), interleukin beta (IL1B), and interleukin 1 receptor, type I(IL1R1/IL1RA), and acts as a decoy receptor that inhibits the activity of its ligands. Interleukin 4 (IL4) is reported to antagonize the activity of interleukin 1 by inducing the expression and release of this cytokine. This gene and three other genes form a cytokine receptor gene cluster on chromosome 2q12. Alternative splicing results in multiple transcript variants and protein isoforms. Alternative splicing produces both membrane-bound and soluble proteins. A soluble protein is also produced by proteolytic cleavage.

Recommended Dilution

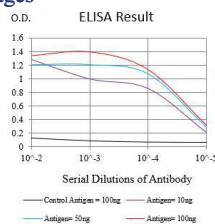
WB: 1:500 - 1:2000

FCM: 1:200 - 1:400

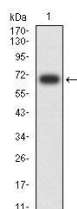
ELISA: 1:10000

Not yet tested in other applications.

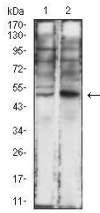
Images



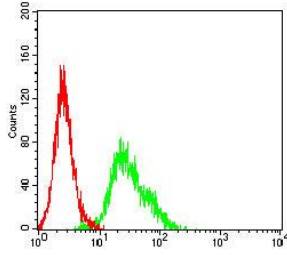
Black line: Control Antigen (100 ng);Purple line: Antigen (10ng); Blue line: Antigen (50 ng); Red line:Antigen (100 ng)



Western blot analysis using CD121B mAb against human CD121B (AA: extra 14-343) recombinant protein. (Expected MW is 68.3 kDa)



Western blot analysis using CD121B mouse mAb against HeLa (1) and MCF-7 (2) cell lysate.



Flow cytometric analysis of THP-1 cells using CD121B 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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