

## Stat5 Monoclonal Antibody

### Description

|                         |   |
|-------------------------|---|
| Product type            | Antibody  |
| Code                    | BT-MCA3219  |
| Host                    | Mouse   |
| Isotype                 | Mouse IgG1  |
| Size                    | 100µL, 50µL   |
| Immunogen               | Synthesized peptide of human Stat5 (AA: KAVDG[pTyr]VKPQIK). |
| Mol wt                  | 90.6kDa   |
| Species reactivity      | Human   |
| Clonality               | Monoclonal  |
| Recommended application | FCM   |
| Concentration           | N/A   |
| Full name               | N/A   |
| Synonyms                | MGF;STAT5A  |

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 member of the STAT family of transcription factors. In response to cytokines and growth factors, STAT family members are phosphorylated by the receptor associated kinases, and then form homo- or heterodimers that translocate to the cell nucleus where they act as transcription activators. This protein is activated by, and mediates the responses of many cell ligands, such as IL2, IL3, IL7 GM-CSF, erythropoietin, thrombopoietin, and different growth hormones. Activation of this protein in myeloma and lymphoma associated with a TEL/JAK2 gene fusion is independent of cell stimulus and has been shown to be essential for tumorigenesis. The mouse counterpart of this gene is found to induce the expression of BCL2L1/BCL-X(L), which suggests the antiapoptotic function of this gene in cells. Alternatively spliced transcript variants have been found for this gene.

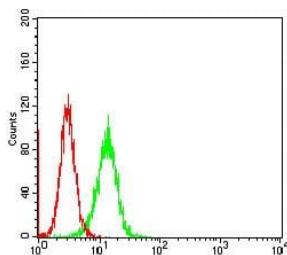
### Recommended Dilution

FCM: 1:200 - 1:400

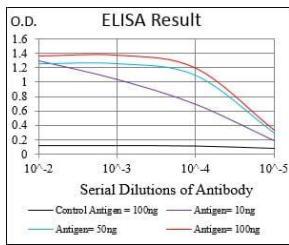
ELISA: 1:10000

Not yet tested in other applications.

### Images



Flow cytometric analysis of HeLa cells using Stat5 mouse mAb (green) and negative control (red).



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

### Storage

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

501 Changsheng S Rd, Nanhu Dist, Jiaxing, Zhejiang, China

Tel: 86 21 31007137 | E-mail: [save@bt-laboratory.com](mailto:save@bt-laboratory.com) | [www.bt-laboratory.com](http://www.bt-laboratory.com)