

## Mouse STAT5A Monoclonal Antibody | anti-STAT5A antibody

STAT5A Mouse Monoclonal Antibody [Clone PCRP-STAT5A-1A9]

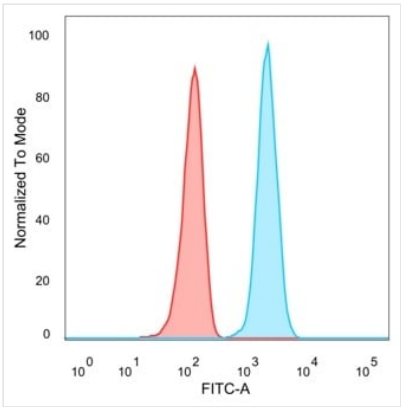
| CATALOG # | HOST  | REACTIVITY                                  | APPLICATIONS                                         |
|-----------|-------|---------------------------------------------|------------------------------------------------------|
| AAA215948 | Mouse | Human Predicted to work with Mouse and Rat. | Immunofluorescence, Flow Cytometry, Functional Assay |

### PRODUCT SYNONYMS

STAT5A; Monoclonal Antibody; STAT5A Mouse Monoclonal Antibody [Clone PCRP-STAT5A-1A9]; Signal transducer and activator of transcription 5A; Transcription factor STAT5A; Mammary gland factor (MGF); anti-STAT5A antibody

### PRODUCT SPECIFICATIONS

|                                                  |                                                                                                                                                                             |
|--------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                             | Mouse                                                                                                                                                                       |
| Reactivity                                       | Human<br>Predicted to work with Mouse and Rat.                                                                                                                              |
| Clonality                                        | Monoclonal                                                                                                                                                                  |
| Isotype                                          | Mouse/IgG2c                                                                                                                                                                 |
| Clone Number                                     | PCRP-STAT5A-1A9                                                                                                                                                             |
| Form/Format                                      | 200ug/ml of Ab purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.      |
| Concentration                                    | Purified Ab with BSA and Azide at 200ug/ml<br>OR<br>Purified Ab WITHOUT BSA and Azide at 1.0mg/ml (varies by lot)                                                           |
| Applicable Applications for anti-STAT5A antibody | IF (Immunofluorescence), FCM/FACS (Flow Cytometry)                                                                                                                          |
| Immunogen                                        | Protein domain of STAT5A                                                                                                                                                    |
| Cellular Localization                            | Cytoplasm, Nucleus, Translocated into the nucleus in response to phosphorylation                                                                                            |
| Positive Control                                 | HeLa or Jurkat cells.                                                                                                                                                       |
| Hu-chromosome Location                           | 17q21.2                                                                                                                                                                     |
| Unigene                                          | 437058                                                                                                                                                                      |
| Preparation and Storage                          | Antibody with azide: store at 2 to 8 degree C<br>Antibody without azide: store at -20 to -80 degree C<br>Antibody is stable for 24 months. Non-hazardous. No MSDS required. |



**FCM/FACS (Flow Cytometry)**  
Flow cytometric analysis of PFA-fixed HeLa cells. STAT5A Mouse Monoclonal Antibody (PCRP-STAT5A-1A9) followed by goat anti-mouse IgG-CF488 (blue); isotype control (red).

ADDITIONAL INFORMATION

|                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-STAT5A antibody | Signal transducer and activator of transcription 5A (Stat5a) and Stat5b, which share 96% homology, undergo receptor tyrosine kinase or G protein-coupled receptor-dependent phosphorylation in response to cytokines or growth factors, and then form homo- or heterodimers that translocate to the nucleus, where they initiate transcription. Activation of Stat5a via IL-2, IL-3, IL-7/ GM-CSF, erythropoietin, thrombopoietin and growth hormones influences proliferation, differentiation and apoptosis in lymphohematopoietic cells. Phosphorylation of Stat5a at Ser127/Ser128 and Ser779 are contingent on ErbB-4- mediated activation of Stat5a. Activation of Stat5b via IL-2, IL-4, CSF-1 and growth hormones influences TCR signaling, apoptosis, adult mammary gland development and sexual dimorphism of liver gene expression. Stat5b is the major liver-expressed Stat5 form that has been shown to fuse with the retinoic acid receptor a gene in acute promyelocytic leukemias (APLL). Stat5a/b null mice have severely impaired lymphoid development and differentiation. |
|------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

NCBI AND UNIPROT INFORMATION

|                                  |                                                     |
|----------------------------------|-----------------------------------------------------|
| NCBI GI #                        | 21618342                                            |
| NCBI GeneID                      | 6776                                                |
| NCBI Accession #                 | NP_003143.2                                         |
| NCBI GenBank Nucleotide #        | NM_003152.3                                         |
| UniProt Accession #              | P42229                                              |
| Molecular Weight                 | 90,647 Da                                           |
| NCBI Official Full Name          | signal transducer and activator of transcription 5A |
| NCBI Official Synonym Full Names | signal transducer and activator of transcription 5A |
| NCBI Official Symbol             | STAT5A                                              |
| NCBI Official Synonym Symbols    | MGF; STAT5                                          |
| NCBI Protein Information         | signal transducer and activator of transcription 5A |
| UniProt Protein Name             | Signal transducer and activator of transcription 5A |
| UniProt Gene Name                | STAT5A                                              |
| UniProt Synonym Gene Names       | STAT5                                               |
| UniProt Entry Name               | STA5A_HUMAN                                         |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/monoclonal/stat5a-antibody-clone-pcrp-stat5a-1a9-immunofluorescence-flow-cytometry-elisa/215948>