

Mouse STAT5A Monoclonal Antibody | anti-STAT5A antibody

STAT5A Mouse Monoclonal Antibody [Clone PCRP-STAT5A-1A11]

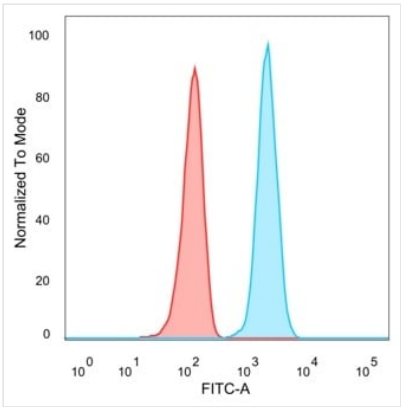
CATALOG # AAA215947	HOST Mouse	REACTIVITY Human Predicted to work with Mouse and Rat.	APPLICATIONS Flow Cytometry, Functional Assay
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PRODUCT SYNONYMS

STAT5A; Monoclonal Antibody; STAT5A Mouse Monoclonal Antibody [Clone PCRP-STAT5A-1A11]; Signal transducer and activator of transcription 5A; Transcription factor STAT5A; Mammary gland factor (MGF); anti-STAT5A antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human Predicted to work with Mouse and Rat.
Clonality	Monoclonal
Isotype	Mouse/IgG1
Clone Number	PCRP-STAT5A-1A11
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 OR Purified Ab WITHOUT BSA and Azide at 1.0mg/ml (varies by lot)
Applicable Applications for anti-STAT5A antibody	FCM/FACS (Flow Cytometry)
Immunogen	STAT5A protein domain
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 Antibody without azide: store at -20 to -80 degree C 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-1A11) 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.
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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-1a11-flow-cytometry-elisa/215947>