

# Product Data Sheet

## Phospho-STAT1 pSer727 Antibody

(This product has been discontinued.)

Tested Species Reactivity	
Human (Hu)	
Mouse (Ms)	
Rat (Rt)	
Bovine (Bv)	

Tested Applications	Dilution *
Western Blot (WB)	1:1000
Immunofluorescence (IF)	1:100
Flow Cytometry (FACS)	1:100
ChIP assay (ChIP)	1:25

\* Suggested working dilutions are given as a guide only. It is recommended that the user titrates the product for use in their own experiment using appropriate negative and positive controls.

Details	
<b>Catalog Number:</b>	PA5-16189
<b>Size:</b>	100 µL
<b>Class:</b>	Polyclonal
<b>Type:</b>	Antibody
<b>Clone:</b>	
<b>Host / Isotype:</b>	Rabbit / IgG
<b>Immunogen:</b>	Synthetic phosphopeptide (KLH-coupled) corresponding to residues surrounding Ser727 of human Stat1.

Form Information	
<b>Form:</b>	Liquid
<b>Purification:</b>	Affinity chromatography
<b>Storage Buffer:</b>	0.01M HEPES, pH 7.5, with 0.15M NaCl, 100µg/ml BSA, 50% glycerol
<b>Preservative:</b>	no preservative
<b>Storage Conditions:</b>	-20° C, Avoid Freeze/Thaw Cycles

Product Specific Information	General Information
<p>PA5-16189 detects Phospho-STAT1 pSer727 in human, mouse and rat samples. Predicted to react with bovine based on sequence homology.</p> <p>PA5-16189 has been successfully used in chromatin immunoprecipitation, flow cytometry, immunocytochemistry, immunofluorescence and Western blot applications.</p> <p>A molecular weight of approximately 91 kDa is expected.</p>	<p>The protein encoded by this gene is a member of the STAT protein family. 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 can be activated by various ligands including interferon-alpha, interferon-gamma, EGF, PDGF and IL6. This protein mediates the expression of a variety of genes, which is thought to be important for cell viability in response to different cell stimuli and pathogens. Two alternatively spliced transcript variants encoding distinct isoforms have been described.</p>

This product is for In Vitro experimental use only. Not for resale without express authorization.

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