

STAT5a Rabbit Recombinant Oligoclonal Antibody – Purified

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Rev. Date: 15 September 2011

Catalog Number: 710073

Store at 2–8°C

Clonality: Oligoclonal
Concentration: 0.5 mg/mL
Quantity: 100 µg
Volume: 200 µL

Host/Class: Rabbit IgG
Reactivity: Human STAT5a
Predicted Reactivity: Human

Product Description

STAT5 consisting of isoform a and b, belongs to the family of STAT (signal transducers and activators of transcription) proteins which are phosphorylated by receptor associated kinases, translocate to the nucleus, and act as transcription factors in response to cytokines and growth factors. STAT5a is activated by IL2, IL3, IL7, GM-CSF, erythropoietin, thrombopoietin, and various growth hormones. In humans, the STAT5a gene is located on chromosome 17.

Product Specifications

Immunogen: Peptide corresponding to amino acids 50–58 of human STAT5a
Alternate Names: MGF
Apparent MW: ~90 kDa
Gene ID: 6776
Protein Accession No.: P42229
Sequence Identity: Human
Clone/PAD: 8HCLC
Lot: See product label

Product Applications

Application	Species	Test Material	Concentration
Western blotting	Human	HeLa and K562 cells	1–3 µg/mL
Indirect ELISA	Human	Peptide	1.5 × 10 ⁻⁴ to 3 µg/mL

Storage and Handling

Store the antibody at 2–8°C for up to 1 month, or –20°C for long storage. Avoid repeated freezing and thawing.

Stability

Expires one year from date of receipt when stored as instructed.

Storage Buffer

Phosphate buffered saline (PBS) with 0.09% sodium azide.

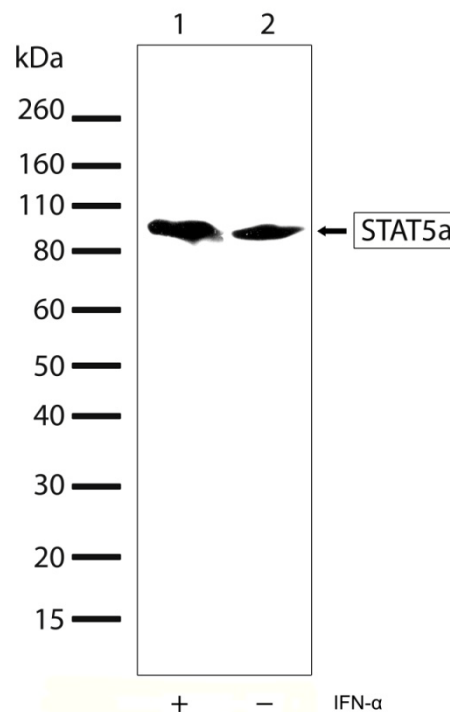


Figure 1 Western blot analysis of STAT5a Rabbit Recombinant Oligoclonal Antibody (Cat. no. 710073). Western blot analysis was performed on whole cell extracts of serum starved HeLa cells treated with IFN1 α (150 ng/mL for 15 minutes, lane 1) and K562 (lane 2). Endogenous STAT5a at ~90 kDa was detected using STAT5a Rabbit Recombinant Oligoclonal Antibody at a concentration of 1 µg/mL.

For research use only. Not for human or animal therapeutic or diagnostic use.

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Safety Data Sheets (SDS)

Safety Data Sheets (SDSs) are available at www.invitrogen.com/sds.

Certificate of Analysis

The Certificate of Analysis provides detailed quality control and product qualification information for each product. Certificates of Analysis are available on our website. Go to www.invitrogen.com/support and search for the Certificate of Analysis by product lot number, which is printed on the box.

Related Products

Product Name	Quantity	Catalog No.
iBlot® Dry Blotting System	1 unit	IB1001
WesternBreeze™ Chromogenic Kit Anti-Rabbit	1 kit	WB7105
WesternBreeze™ Chemiluminescent Kit, Anti-Rabbit	1 kit	WB7106
Goat anti-mouse (H+L), HRP conj.	1 mg	G21040
Goat anti-rabbit (H+L), HRP conj.	1 mg	G21234
Goat anti-mouse (H+L), AP conj.	1 mg	G21060
Goat anti-rabbit (H+L), AP conj.	1 mg	G21079
Nitrocellulose, 0.2 µm	20/pack	LC2000

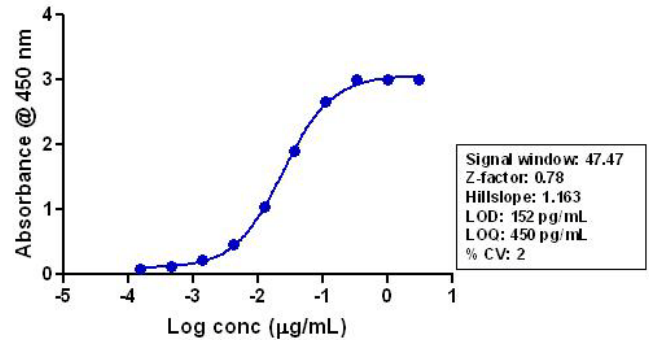


Figure 2 Indirect ELISA of STAT5a Rabbit Recombinant Oligoclonal Antibody (Cat. no. 710073). Indirect ELISA was performed using various dilutions of STAT5a Rabbit Recombinant Oligoclonal Antibody (Cat. no. 710073) to detect STAT5a peptide coated onto the plate. A non-linear regression analysis was performed (4 PL) and LOD and LOQ for the antibody was determined.

Explanation of symbols

Symbol	Description	Symbol	Description
	Catalogue Number		Batch code
	Research Use Only		<i>In vitro</i> diagnostic medical device
	Use by		Temperature limitation
	Manufacturer		European Community authorised representative
	Without, does not contain		With, contains
	Protect from light		Consult accompanying documents
	Directs the user to consult instructions for use (IFU), accompanying the product.		

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