

Datasheet: VMA00711KT

Description:	STAT5 ANTIBODY WITH CONTROL LYSATE
Specificity:	STAT5
Format:	Purified
Product Type:	PrecisionAb™ Monoclonal
Clone:	OTI9F7
Isotype:	IgG1
Quantity:	2 Westerns

Product Details

Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit www.bio-rad-antibodies.com/protocols.

	Yes	No	Not Determined	Suggested Dilution
Western Blotting	■			1/1000

PrecisionAb antibodies have been extensively [validated for the western blot application](#). The antibody has been validated at the suggested dilution. Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Further optimization may be required dependant on sample type.

Target Species	Human
Product Form	Purified IgG - Liquid
Preparation	20µl Mouse monoclonal antibody affinity purified on Protein G from ascites
Buffer Solution	Phosphate buffered saline
Preservative	0.09% Sodium Azide
Stabilisers	1% Bovine Serum Albumin <50% Glycerol
Immunogen	Full length recombinant human STAT5A produced in HEK293T cells
External Database Links	<p>UniProt:</p> <p>P42229 Related reagents</p> <p>P51692 Related reagents</p> <p>Entrez Gene:</p> <p>6776 STAT5A Related reagents</p> <p>6777 STAT5B Related reagents</p>

Synonyms	STAT5
Specificity	<p>Mouse anti Human STAT5 antibody recognizes the signal transducer and activator of transcription 5A/5B.</p> <p>Signal transducer and activator of transcription 5 (STAT5) refers to two highly related proteins, STAT5A and STAT5B, which are part of the STAT family of transcription factors. In response to cytokines (IL2, IL4) 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. It has been shown that STAT5 is involved in diverse biological processes, such as TCR signaling, apoptosis, adult mammary gland development, and sexual dimorphism of liver gene expression. Though STAT5A and STAT5B are encoded by separate genes, the proteins are 90% identical at the amino acid level. Aberrant STAT5 activity has been shown to be closely connected to a wide range of human cancers (provided by RefSeq, Jul 2008).</p> <p>Mouse anti Human STAT5 detects a band of 90 kDa. The antibody has been extensively validated for western blotting using whole cell lysates.</p>
Western Blotting	Mouse anti STAT5 detects a band of approximately 90 kDa in K562 cell lysates
Instructions For Use	Please refer to the PrecisionAb western blotting protocol . For additional information on secondary antibody dilution and exposure time see product web page.
Lysate Composition	400µg K562 lysate lyophilized in RIPA buffer
Lysate Reconstitution	<p>- If using DDT reconstitute the lyophilized lysate with 190µl DI H₂O, add 200µl 2x Laemmli Sample Buffer and 10µl 2M DTT.</p> <p>- If using BME reconstitute the lyophilized lysate with 180µl DI H₂O, add 200µl 2x Laemmli Sample Buffer and 20µl BME.</p> <p>Heat at 95°C for 5 minutes. For 10 well mini gels load 25µl. For other gel and comb formats please refer to the PrecisionAb western blotting protocol.</p>
Storage	<p>Antibody: Store undiluted at -20°C, avoiding repeated freeze thaw cycles.</p> <p>Lysate: Store lyophilized lysate at -20°C. After reconstitution aliquot and store at -20°C for up to 3 months or at -80°C for longer term storage.</p>
Guarantee	As supplied, 12 months from date of despatch
Acknowledgements	PrecisionAb™ is a trademark of Bio-Rad Laboratories
Health And Safety Information	<p>Material Safety Datasheet documentation #10048 #10561 available at:</p> <p>Antibody (10048): https://www.bio-rad-antibodies.com/uploads/MSDS/10048.pdf</p> <p>Lysate Material (10561): https://www.bio-rad-antibodies.com/uploads/MSDS/10561.pdf</p>
Regulatory	For research purposes only

Related Products

Recommended Secondary Antibodies

Goat Anti Mouse IgG (H/L) (STAR207...) [HRP](#)

Recommended Negative Controls

[MOUSE IgG1 NEGATIVE CONTROL \(MCA928\)](#)

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