

Datasheet: AHP1179

BATCH NUMBER 090215

Description:	RABBIT ANTI HUMAN IRF7
Specificity:	IRF7
Other names:	INTERFERON REGULATORY FACTOR 7
Format:	Purified
Product Type:	Polyclonal Antibody
Isotype:	Polyclonal IgG
Quantity:	0.1 mg

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
Flow Cytometry			▪	
Immunohistology - Frozen			▪	
Immunohistology - Paraffin			▪	
ELISA			▪	
Immunoprecipitation			▪	
Western Blotting	▪			0.5 - 1.0ug/ml

Where this antibody has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the antibody for use in their own system using appropriate negative/positive controls.

Target Species	Human
Product Form	Purified IgG - liquid
Antiserum Preparation	Antisera to human IRF7 were raised by repeated immunisations of rabbits with highly purified antigen. Purified IgG prepared by affinity chromatography.
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	0.02% Sodium Azide
Approx. Protein	IgG concentration 1.0mg/ml

Concentrations

Immunogen 14 amino acid peptide sequence near the centre of human IRF7.

External Database Links

UniProt:

[Q92985](#) [Related reagents](#)

Entrez Gene:

[3665](#) IRF7 [Related reagents](#)

RRID AB_844626

Specificity **Rabbit anti Human IRF7 antibody** detects human interferon regulatory factor 7 (IRF7), a ~54 kDa transcriptional activator of type I interferons (IFNalpha/beta) in response to local and systemic viral infection. IRF7 is mostly expressed by plasmacytoid dendritic cells (pDC), which differentiate in response to IFNs and virus infection. This then stabilizes the IRF7 protein, in turn leading to increased IFN production.

Multiple IRF7 transcript variants have been identified, although their individual functions have not yet been established.

Western Blotting AHP1179 detects a band of approximately 51kDa in 293 whole cell lysate.

Further Reading

1. Ning, S. *et al.* (2005) Regulation of the transcriptional activity of the IRF7 promoter by a pathway independent of interferon signaling. [J Biol Chem. 280 \(13\): 12262-70.](#)
2. Prakash, A. & Levy, D.E. (2006) Regulation of IRF7 through cell type-specific protein stability. [Biochem Biophys Res Commun. 342 \(1\): 50-6.](#)

Storage Store at +4°C or at -20°C if preferred.
Storage in frost-free freezers is not recommended.
This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.

Guarantee 12 months from date of despatch

Health And Safety Information Material Safety Datasheet documentation #10040 available at: <https://www.bio-rad-antibodies.com/SDS/AHP1179>
10040

Regulatory For research purposes only

Related Products

Recommended Secondary Antibodies

Sheep Anti Rabbit IgG (STAR34...) [FITC](#)

Goat Anti Rabbit IgG (Fc) (STAR121...) [Biotin](#), [FITC](#), [HRP](#)

Sheep Anti Rabbit IgG (STAR35...) [RPE](#)

Goat Anti Rabbit IgG (H/L) (STAR124...) [HRP](#)

Recommended Useful Reagents

[TidyBlot WESTERN BLOT DETECTION REAGENT:HRP \(STAR209P\)](#)

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To find a batch/lot specific datasheet for this product, please use our online search tool at: bio-rad-antibodies.com/datasheets

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