

Datasheet: MCA1117

Description:	MOUSE ANTI HUMAN INTERFERON ALPHA
Specificity:	IFN ALPHA
Other names:	INTERFERON ALPHA
Format:	Purified
Product Type:	Monoclonal Antibody
Clone:	C10F5
Isotype:	IgG1
Quantity:	0.5 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			▪	

Where this antibody has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. 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
Preparation	Purified IgG prepared by affinity chromatography on Protein A
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	<0.1% Sodium Azide (NaN ₃)
Approx. Protein Concentrations	IgG concentration 1.0 mg/ml

Immunogen Recombinant Human Interferon alpha -A.

External Database

Links

UniProt:

[P01562](#) [Related reagents](#)

[P01568](#) [Related reagents](#)

[P01563](#) [Related reagents](#)

Entrez Gene:

[3447](#) IFNA13 [Related reagents](#)

[3452](#) IFNA21 [Related reagents](#)

[3440](#) IFNA2 [Related reagents](#)

RRID AB_2122493

Fusion Partners Spleen cells from immunized BALB/c mice were fused with cells of the X63. Ag8.653 myeloma cell line.

Specificity **Mouse anti Human interferon alpha antibody, clone C10F5** recognizes an epitope common to IFN-alpha subtypes A, F, D, I1 and P. Strongest reaction in ELISA is with subtypes alpha F and alpha D. It has an affinity constant of 2.4×10^{-10} M.

Mouse anti Human interferon alpha antibody, clone C10F5 has been used successfully for the immunohistochemical detection of interferon- α producing cells on cryostat sections in a human suction blister model ([Reed et al. 2004](#)).

References

1. Reed, J.R. *et al.* (2004) Telomere erosion in memory T cells induced by telomerase inhibition at the site of antigenic challenge *in vivo*. [J Exp Med. 199 \(10\): 1433-43.](#)
 2. van der Laan, A. M. (2013) Adverse left ventricular remodelling after acute myocardial infarction in patients is associated with attenuated type I interferon signalling In: [Monocytes in ischemic heart disease 's-Hertogenbosch: Boxpress](#)
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Storage This product is shipped at ambient temperature. It is recommended to aliquot and store at -20°C on receipt. When thawed, aliquot the sample as needed. Keep aliquots at 2-8°C for short term use (up to 4 weeks) and store the remaining aliquots at -20°C.

Avoid repeated freezing and thawing as this may denature the antibody. Storage in frost-free freezers is not recommended.

Guarantee 12 months from date of despatch

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

Regulatory For research purposes only

Related Products

Recommended Secondary Antibodies

Goat Anti Mouse IgG (STAR77...)	HRP
Rabbit Anti Mouse IgG (STAR12...)	RPE
Rabbit Anti Mouse IgG (STAR8...)	DyLight®800
Goat Anti Mouse IgG (STAR76...)	RPE
Goat Anti Mouse IgG (Fc) (STAR120...)	FITC , HRP
Goat Anti Mouse IgG IgA IgM (STAR87...)	Alk. Phos. , HRP
Rabbit Anti Mouse IgG (STAR13...)	HRP
Goat Anti Mouse IgG (STAR70...)	FITC
Rabbit Anti Mouse IgG (STAR9...)	FITC
Goat Anti Mouse IgG (H/L) (STAR117...)	Alk. Phos. , DyLight®488 , DyLight®550 , DyLight®650 , DyLight®680 , DyLight®800 , FITC , HRP

Recommended Negative Controls

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

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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
'M389276:210806'

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