

Datasheet for ABIN1176895  
**anti-IFN alpha 2b antibody**

## 6 Publications

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## Overview

Quantity:	0.5 mg
Target:	IFN alpha 2b
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Application:	Intracellular Staining (ICS), Neutralization (Neut)

## Product Details

Brand:	BD Pharmingen™
Immunogen:	Human IFN-alpha2b
Clone:	7N4-1
Isotype:	IgG1 kappa
Characteristics:	Neutralization Activity: This antibody has been reported to be useful for the neutralization of recombinant human IFN-alpha. Neutralization activity may be measured using MTT dye conversion in a IFN-alpha mediated EMC viral resistance assay using A549 as indicator cells. 50% Neutralization (ND50) at 0.3 - 3 µg/mL >95% Neutralization at 10 - 50 myg/ml
Purification:	The monoclonal antibody was purified from tissue culture supernatant or ascites by affinity chromatography.
Sterility:	0.2 µm filtered
Endotoxin Level:	Endotoxin level is ≤ 0.01 EU/µg (≤ 0.001 ng/µg) of protein as determined by the LAL assay.

## Target Details

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Target:	IFN alpha 2b
Alternative Name:	IFN-alpha 2b ( <a href="#">IFN alpha 2b Products</a> )
Background:	<p>The 7N4-1 antibody reacts with human IFN-alpha2b and to a lesser extent with IFN-alpha7. It does not react with IFN-alpha1 nor IFN-alpha4. IFN-alpha2b is one of the three variants of IFN-alpha2 that have been isolated from human cell lines. IFN-alpha2b is the variant predominantly produced by human leukocytes. Human IFN-alpha2b belongs to the IFN-alpha class of proteins also known as leukocyte interferons. IFN-alpha comprises a family of related but distinct proteins with molecular weights ranging from 16-27 kDa with antiviral, antiproliferative and immunomodulatory activities. The IFN-alpha family is composed from as many as 14 different genes. The immunogen used to generate the 7N4-1 hybridoma was E. coli-expressed recombinant human IFN-alpha2b. This is a neutralizing antibody.</p> <p>Synonyms: IFNa, IFNalpha</p>

## Application Details

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Application Notes:	Flow cytometry: Conjugated formats of this clone may be used for immunofluorescent staining, such as PE Mouse Anti-Human IFN-alpha[2b] (Cat. No. 560097) or Alexa Fluor® 647 Mouse Anti-Human IFN-alpha[2b] (Cat. No. 560088).
Restrictions:	For Research Use only

## Handling

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Format:	Liquid
Concentration:	1.0 mg/mL
Buffer:	No azide/low endotoxin: Aqueous buffered solution containing no preservative, 0.2µm sterile filtered.
Preservative:	Azide free
Storage:	4 °C
Storage Comment:	Store undiluted at 4°C. This preparation contains no preservatives, thus it should be handled under aseptic conditions.

## Publications

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Product cited in:	Romero, Zapater, Calvo, Kalko, de la Fuente, Tovar, Ockeloen, Pizcueta, Engel: "CD229 (Ly9) lymphocyte cell surface receptor interacts homophilically through its N-terminal domain and
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relocalizes to the immunological synapse." in: **Journal of immunology (Baltimore, Md. : 1950)**, Vol. 174, Issue 11, pp. 7033-42, (2005) ([PubMed](#)).

de la Fuente, Tovar, Villamor, Zapater, Pizcueta, Campo, Bosch, Engel: "Molecular characterization and expression of a novel human leukocyte cell-surface marker homologous to mouse Ly-9." in: **Blood**, Vol. 97, Issue 11, pp. 3513-20, (2001) ([PubMed](#)).

There are more publications referencing this product on: [Product page](#)