

IFN gamma Monoclonal Antibody (B133.5)

Product Details

Size	500 µg
Species Reactivity	Human
Published Species	Human, Mouse
Host/Isotype	Mouse / IgG1, kappa
Class	Monoclonal
Type	Antibody
Clone	B133.5
Conjugate	Unconjugated
Immunogen	Recombinant human IFN gamma
Form	Liquid
Concentration	1.0 mg/mL
Purification	Protein A
Storage buffer	PBS
Contains	no preservative
Storage conditions	-20°C
RRID	AB_223579

Applications	Tested Dilution	Publications
Western Blot (WB)	2 µg/mL	-
Immunohistochemistry (IHC)	-	2 Publications
Flow Cytometry (Flow)	1:100	1 Publication
ELISA (ELISA)	-	77 Publications
Miscellaneous PubMed (Misc)	-	1 Publication

Product Specific Information

M701 was successfully to detect IFN-gamma in Flow application.

M701 targets IFN gamma in Western blot applications and shows reactivity with Human samples. The M700A anti-IFN Gamma antibody (clone 2G1) has successfully been paired as the coating antibody in a sandwich ELISA with detection antibody M701B (biotinylated conjugate of clone B133.5). Typical dilutions for sandwich ELISA include 1 µg/mL for coating and 0.125 - 0.25 µg/mL for detection.

The M701 immunogen is recombinant human IFN gamma.

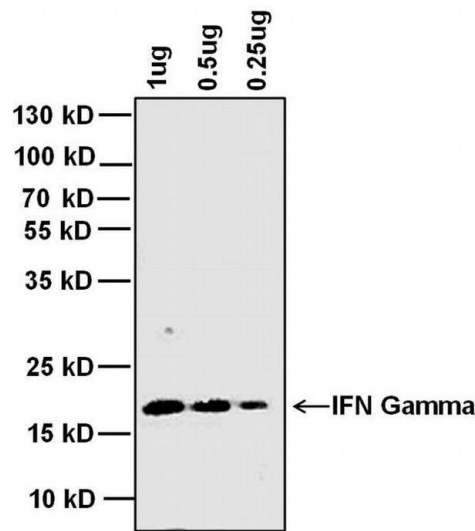
M701 detects IFN gamma which has a predicted molecular weight of approximately 16 kDa.

This product has been tested for endotoxins by limulus amoebocyte lysate (LAL) assay and contains an endotoxin concentration of less than or equal to 10 endotoxin units per milligram (EU/mg).

Product Images For IFN gamma Monoclonal Antibody (B133.5)

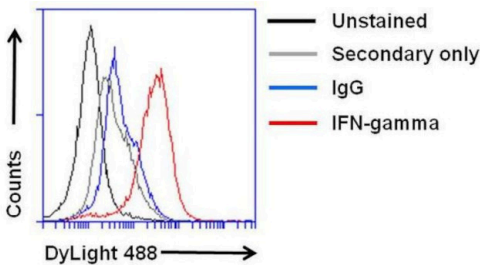
IFN gamma Antibody (M701) in WB

Western blot analysis of IFN Gamma was performed by loading indicated amount of Human IFN Gamma recombinant protein in reducing sample buffer and 8 µL PageRuler Plus Prestained Protein Ladder (Product # 26619) per well onto a 4-20% Tris-Glycine polyacrylamide gel. Proteins were transferred to a nitrocellulose membrane using the G2 Fast Blotter (Product # 62288) and blocked with 5% Milk/TBST for at least 1 hour at room temperature. IFN Gamma was detected at ~16 kDa using a IFN Gamma rat monoclonal biotin conjugate antibody (Product # M701) at a concentration of 2 µg/mL in blocking buffer overnight at 4°C on a rocking platform, followed by a Goat anti-Mouse IgG (H+L) Superclonal™ Secondary Antibody (Product # A28177) at a dilution of 1:2,000 for at least 1 hour at room temperature. Chemiluminescent detection was performed using SuperSignal West Pico (Product # 34078) and the myECL Imager (Product # 62236).



IFN gamma Antibody (M701) in Flow

Flow cytometry analysis of IFN-gamma on PHA-M treated Jurkat cells. Cells were fixed with 4% formaldehyde for 30 min on ice and permeabilized with IC permeabilization buffer (Product # PB001). After incubation with blocking buffer (Product # 37525) for 30 min on ice, cells were then stained with IFN-gamma mouse monoclonal antibody (Product # M701) at 1:100 dilution with IC permeabilization buffer for 30 min on ice. After washing with ice-cold IC permeabilization buffer for 3 times, the cells were stained with DyLight 488 goat anti-mouse secondary antibody (Product # 35502) for 30 min on ice. A representative 10,000 cells were acquired for each sample.



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Immunohistochemistry (2)

<p>Parasite immunology</p> <p>Expression of immune modulator cytokines in human fulminant amoebic colitis.</p> <p>"M701 was used in immunohistochemistry to investigate the expression and role of cytokines in human fulminant amoebic colitis"</p> <p>Authors: Sierra-Puente RE,Campos-Rodríguez R,Jarillo-Luna RA,Muñoz-Fernández L,Rodríguez MG,Muñoz-Ortega MH,Ventura-Juárez J</p>	<p>Year 2009</p> <p>Species Human</p> <p>Dilution 1:100</p>
<p>International journal of andrology</p> <p>JKT-1 is not a human seminoma cell line.</p> <p>"M701 was used in Immunohistochemistry to examine the seminomatous origin of the JKT-1 cell line."</p> <p>Authors: de Jong J,Stoop H,Gillis AJ,van Gurp RJ,van Drunen E,Beverloo HB,Lau YF,Schneider DT,Sherlock JK,Baeten J,Hatakeyama S,Ohyama C,Oosterhuis JW,Looijenga LH</p>	<p>Year 2007</p> <p>Species Human</p> <p>Dilution 1:200</p>

Flow Cytometry (1)

<p>BioNanoScience</p> <p>Imaging of Protein Secretion from a Single Cell Using Plasmonic Substrates.</p> <p>"M701 was used in Flow cytometry to develop substrates with plasmonic nanoparticles and fluorescence microscopy as promising imaging methods for studies on molecular processes controlling cell behaviour, particularly secretion of cytokines."</p> <p>Authors: Szmecinski H,Toshchakov V,Piao W,Lakowicz JR</p>	<p>Year 2013</p> <p>Species Mouse</p>
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ELISA (77)

<p>Transplant international : official journal of the European Society for Organ Transplantation</p> <p>Preformed donor-reactive T cells that persist after ABO desensitization predict severe T cell-mediated rejection after living donor kidney transplantation - a retrospective study.</p> <p>"M701 was used in ELISA to analyze 150 living donor kidney transplant recipients (KTRs) of a first kidney allograft."</p> <p>Authors: Schachtner T,Stein M,Otto NM,Reinke P</p>	<p>Year 2020</p> <p>Species Human</p>
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Misc (1)

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