

Human IFN-gamma Recombinant Protein

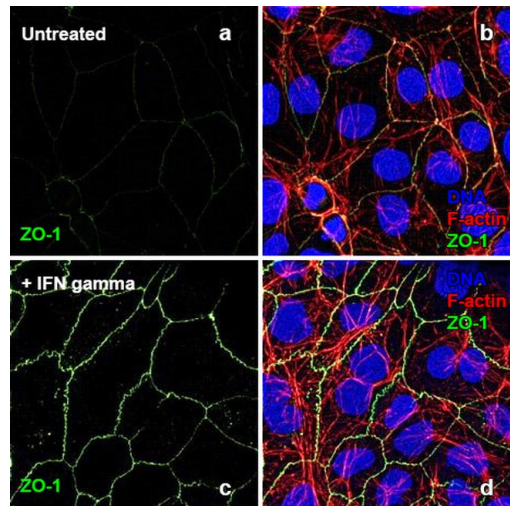
Product Details	
Size	100 µg
Species	Human
Published Species	Rat, Human
Expression system	E. coli
Amino acid sequence	QDPYVKEAEN LKKYFNAGHS DVADNGTLFL GILKNWKEES DRKIMQSQIV SFYFKLFKNF KDDQSIQKSV ETIKEDMNVK FFNSNKKKKRD DFEKLTNYSV TDLNVQRKAI HELIQVMAEL SPAAKTGKRK RSQMLFQGRR ASQ
Molecular weight	16.9 kDa
Class	Recombinant
Type	Protein
Purity	>95% by SDS-PAGE
Endotoxin concentration	<0.1 ng/µg
Activity	ED50 = 0.5 - 3.0 ng/mL; determined by the dose-dependent cytostasis of human WiDr cells.
Conjugate	Unconjugated
Form	Liquid
Purification	sequential chromatography
Storage buffer	40mM tris, pH 7.4
Contains	no preservative
Storage conditions	-80°C

Applications	Tested Dilution	Publications
Western Blot (WB)	Assay-dependent	-
Immunohistochemistry (IHC)	Assay-dependent	-
ELISA (ELISA)	Assay-dependent	-
Functional Assay (FN)	Assay-dependent	5 Publications
Control (Ctrl)	Assay-dependent	-

Product Specific Information

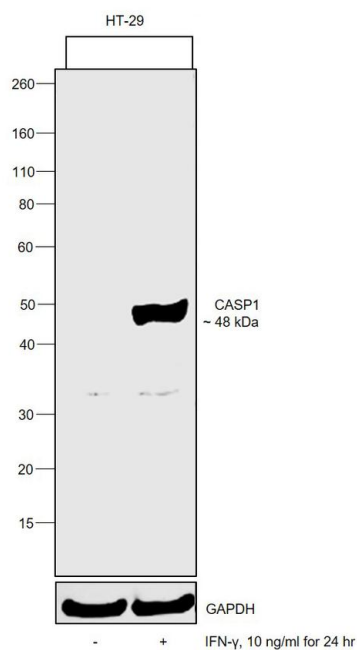
Carrier-Free

Product Images For Human IFN-gamma Recombinant Protein



Human IFN-gamma Protein (PHC4031) in FN

Immunofluorescence analysis of ZO-1 was performed using Caco-2 cells treated with 50 ng/mL of human IFN-gamma recombinant protein (Product # PHC4031) for 24 hours. The cells were labeled with anti-ZO-1 polyclonal antibody (Product # 40-2200) (Panel a & c : Green). The composite (b & d) represents the merged with DAPI (blue) and F-actin (red) staining. Cells treated with IFN-gamma displayed upregulation of ZO-1 in comparison with untreated cells. The images were captured at 60X magnification.



Human IFN-gamma Protein (PHC4031) in FN

HT-29 cells were treated with 10 ng/mL of human IFN-gamma recombinant protein (Product # PHC4031) for 24 hours. A western blot was performed using anti-caspase 1 polyclonal antibody (Product # PA5-17570) and a 48 kDa band corresponding to caspase 1(CASP1) was observed to be upregulated upon treatment with IFN-gamma. GAPDH was used as a loading control.

Functional Assay (5)

<p>The Journal of infectious diseases</p> <p>Induction of the Cocksackievirus and Adenovirus Receptor in Macrophages During the Formation of Atherosclerotic Plaques.</p> <p>Authors: Nilchian A,Plant E,Parniewska MM,Santiago A,Rossignoli A,Skogsberg J,Hedin U,Matic L,Fuxe J</p>	<p>Year 2020</p> <p>Species Human</p> <p>Dilution 20 ng/mL</p>
<p>PloS one</p> <p>ATM and P53 differentially regulate pancreatic beta cell survival in Ins1E cells.</p> <p>Authors: Uhlemeyer C,Müller N,Grieß K,Wessel C,Schlegel C,Kuboth J,Belgardt BF</p>	<p>Year 2020</p> <p>Species Rat</p> <p>Dilution 767 U/mL</p>

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