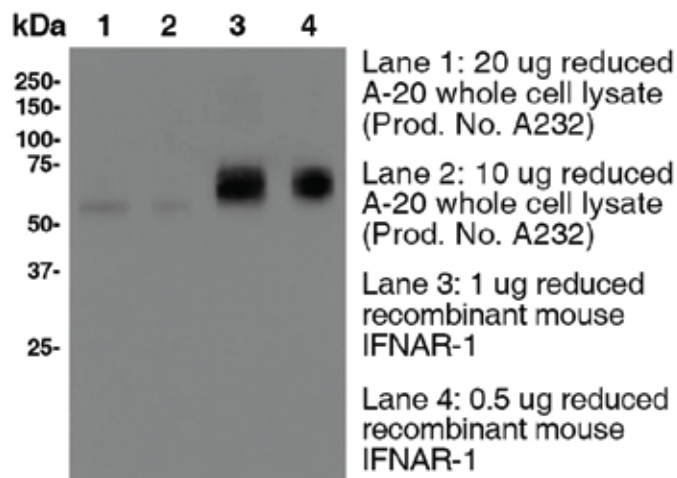


Type I & Type II Interferons

The IFN's were originally described as agents that hinder viral replication, but have emerged over the years as critical mediators of cellular programming and defense against bacterial, protozoal and viral infections. The IFN's have been classified as Type I and Type II, each having distinct roles in the immune response. Type I Interferon is a potent pro-inflammatory cytokine that can be released by a variety of immune cells after recognition of danger signals. Signaling of Type I IFNs activates the JAK/STAT cascade, impacting both innate and adaptive immune responses. Depending on the model, the presence of Type I IFN can either prevent or enhance susceptibility to viral and microbial infections. IFN- γ is the only Type II Interferon, and is secreted primarily by NK cells, CD8+ T cells, and Th1 cells. IFN- γ can directly limit viral replication, but has also been shown to be important in the immune response against protozoal and some bacterial infections. Specific inhibition of Type I & II IFN signaling may prove beneficial in developing novel therapeutics. The activity of Type I & II IFNs in the immune response continues to be an active area of research.

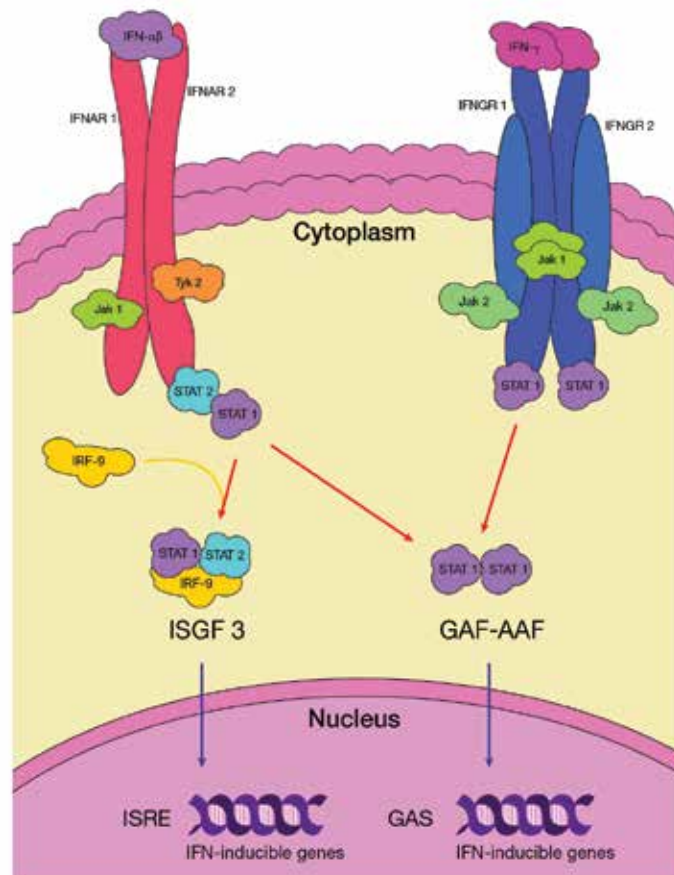


Primary: anti-mouse IFNAR-1 antibody (MAR1-5A3) at 8 ug/ml (Prod. No. I-1188)

Secondary: HRP labeled goat anti-mouse at 1:1000 dilution (Prod. No. M114)

Predicted band size: 60-70 kDa

Above: Anti-Mouse IFNAR-1 (Clone MAR1-5A3), the type I IFN receptor subunit 1, make up the heterodimeric receptor complex that binds to all type I IFNs (IFN- α/β).



Type I & Type II Interferon Products

Recombinant Proteins

Protein	Human Prod. No.	Mouse Prod. No.	Rat Prod. No.
IFN γ	I-179	I-217	I-223
IFN γ -R1	I-577	I-538	
IFN α 2a	I-1184		
IFN α 2b	I-1187		
IFN λ 2/IL-28A	I-377	I-378	
IFN λ 1/IL-29	I-376		

Monoclonal Antibodies

Description	Clone	Isotype	Prod. No.	Size
Anti-Mouse IFNAR-1 – Purified In vivo GOLD™ Functional Grade	MAR1-5A3	Mouse IgG1	I-401	1.0 mg, 5.0 mg, 25 mg, * 50 mg, 100 mg
Anti-Mouse IFNAR-1 – Purified In vivo PLATINUM™ Functional Grade	MAR1-5A3	Mouse IgG1	I-1188	1.0 mg, 5.0 mg, 25 mg, * 50 mg, 100 mg
Anti-Mouse IFNAR-1 – Purified	MAR1-5A3	Mouse IgG1	I-400	25 μ g, 100 μ g, 200 μ g *
Anti-Mouse IFN β – Purified In vivo GOLD™ Functional Grade	HD β -4A7	Mouse IgG2a	I-1182	1.0 mg, 5.0 mg, 25 mg, 50 mg, 100 mg
Anti-Mouse IFN β – Purified In vivo PLATINUM™ Functional Grade	HD β -4A7	Mouse IgG2a	B659	1.0 mg, 5.0 mg, 25 mg, 50 mg, 100 mg
Anti-Mouse IFN α – Purified In vivo GOLD™ Functional Grade	TIF-3C5	Armenian Hamster IgG1	I-1183	1.0 mg, 5.0 mg, 25 mg, 50 mg, 100 mg
Anti-Mouse IFN α – Purified In vivo PLATINUM™ Functional Grade	TIF-3C5	Armenian Hamster IgG1	T701	1.0 mg, 5.0 mg, 25 mg, 50 mg, 100 mg
Anti-Mouse IFN- γ	37895	Rat IgG2a	I-669	25 μ g, 100 μ g, 200 μ g
Anti-Mouse IFN β – Purified In vivo GOLD™ Functional Grade	MIB-5E9.1	Armenian Hamster IgG1	I-439	1.0 mg, 5.0 mg, 25 mg, 50 mg, 100 mg
Anti-Human IFN- γ R α Chain (CD119)	92101	Mouse IgG1	I-691	25 μ g, 500 μ g
Anti-Human IFN- γ	25718	Mouse IgG2a	I-646	25 μ g, 100 μ g, 500 μ g
Anti-Human CD119 (IFN- γ R α Chain) – Purified In vivo GOLD™ Functional Grade	GIR-208	Mouse IgG1	I-443	1.0 mg, 5.0 mg, 25 mg, * 50 mg, 100 mg
Anti-Human CD119 (IFN- γ R α Chain) – Purified In vivo PLATINUM™ Functional Grade	GIR-208	Mouse IgG1	G737	1.0 mg, 5.0 mg, 25 mg, * 50 mg, 100 mg
Anti-Human CD119 (IFN- γ R α Chain) – Purified	GIR-208	Mouse IgG1	I-442	25 μ g, 100 μ g *
Anti-Mouse IFN γ – Purified In vivo GOLD™ Functional Grade	H22	Armenian Hamster IgG	I-438	1.0 mg, 5.0 mg, 25 mg, * 50 mg, 100 mg
Anti-Mouse IFN γ – Purified In vivo PLATINUM™ Functional Grade	H22	Armenian Hamster IgG	I-1190	1.0 mg, 5.0 mg, 25 mg, * 50 mg, 100 mg
Anti-Mouse CD119 (IFN- γ R α chain) – Purified	2E2	Armenian Hamster IgG	I-1189	0.5 mg
anti-STAT1 – Purified	10C4B40	Mouse IgG1	S652	100 μ g
Anti-Mouse IFN γ – Purified In vivo GOLD™ Functional Grade	XMG1.2	Rat IgG1 κ	I-1119	1.0 mg, 5.0 mg, 25 mg, * 50 mg, 100 mg
Anti-Mouse IFN- γ – Purified	XMG1.2	Rat IgG1 κ	I-1104	50 μ g, 500 μ g *

*Additional Conjugates Available: APC, Biotin, FITC, PE, HRP, PerCP, DyLight® 488, DyLight® 550, DyLight® 594, DyLight® 650, DyLight® 755



Visit our website for more formats and part numbers!