

Supplementary material

Interferon- α auto-antibodies in convalescent plasma therapy for COVID-19

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Tables

Table S1: Pathogens identified in critical infectious respiratory disease in the ICU.

	COVID-19 N= 102	Non-COVID-19 N = 47
Pathogen Detected (N)		
SARS-CoV-2	102	
Influenza virus		5
Respiratory Syncytial Virus		3
Rhinovirus		2
Seasonal CoV		1
S. Pneumoniae		8
E. Coli		6
S. Aureus		4
Klebsiella Spp		5
Pseudomonas Spp		3
Citrobacter Spp		2
Corynebacterium Spp.		1
Enterococcus Spp		4
Serratia Spp		2
Streptococcus Spp		3
H. Influenzae		1
Enterobacter Spp		1
Neisseria Spp		1
Mycoplasma Spp		1
Proteus Spp		1
Aspergillus Spp		5
Pneumocystis Jiroveci		1
Autoimmune pneumonitis		1
Unknown		7

Figures

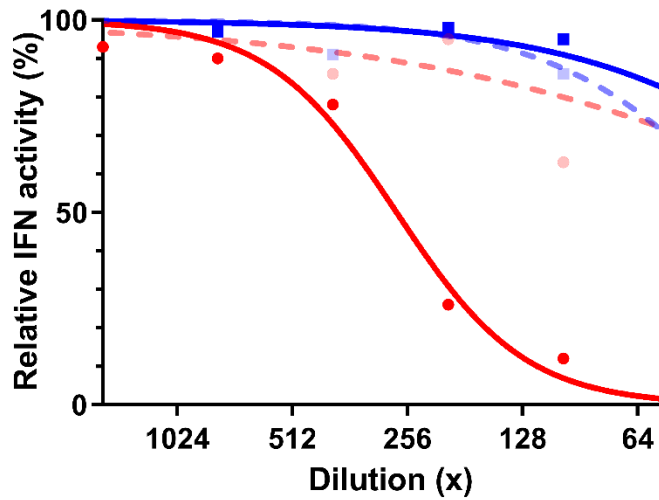


Figure S1: Sigmoidal curve showing inhibition of IFN activity by IFN- α Abs positive (red) and negative (blue) pools on A549 cells. Solid lines/symbols represent PEG IFN- α activity, transparent lines/symbols represent IFN- λ 1 activity.

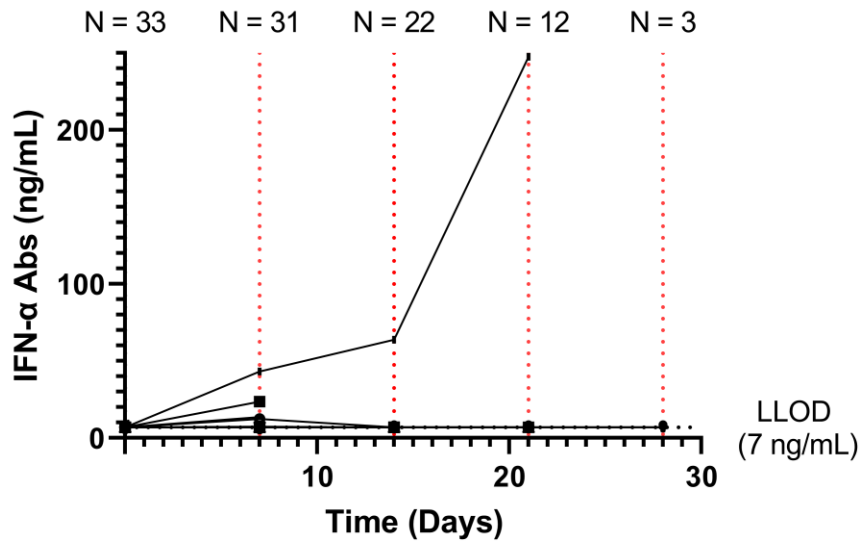


Figure S2: Longitudinal individual IFN- α Ab concentrations in COVID-19 ICU patients who tested negative at baseline.