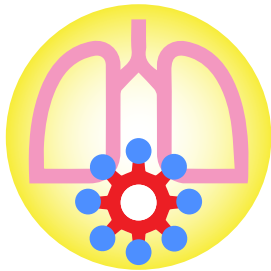


Cytokine storm and syndromes

Cell type



Cytokine



Clinical condition



Cell type	IFN γ	IL1b	IL6	IL17	IL18	IL23	TNF α
Dendritic cell							●
Endothelium		●			●		
Fibroblast			●		●		
Macrophage		●	●		●		●
T-cell	●		●	●	●	●	●

Massive cytokine release, known as **Cytokine storm** due to extensive **T-cell** activation is a driver of pathology during viral infections such as influenza. Cytokine release syndromes are a systemic inflammatory response with broad clinical conditions, including response against SARS CoV-2 and other coronaviruses.

IFN γ	IL1b	IL6	IL17	IL18	IL23	TNF α	Clinical condition
		●					Acute kidney injury
	●	●					Acute phase protein
		●					Anemia
			●			●	Atopic dermatitis
					●	●	Crohn's disease, Ulcerative colitis
●						●	Debilitating
						●	Decreased serum protein
●						●	Disseminated intravascular coagulation
●		●				●	Fever
●						●	Hyperlipidemia
●						●	Imaired hematopoiesis
●	●			●		●	Liver damage
			●		●	●	Psoriasis
			●			●	Spondyloarthritis
		●				●	Rheumatoid arthritis (RA)

References
 Cytokine Growth Factor Rev (2020) 53:38-42
 Nat Rev Immunol (2020) 20(6):271-27
 J Immunother Cancer (2018) 6(1):56

Antibody for RA
Cat# AP2184A
 Anti-SYVN1 (HRD1)
 Purified Rabbit Polyclonal Antibody
 Confocal image of HeLa cells (right)

