

## Antibodies and T-cell Studies against COVID-19

Till today there has been over 5 million reported COVID-19 cases worldwide. The on-going necessary restrictive measures has been a severe challenge for our daily lives and are causing increasingly tremendous negative economic consequences. However the risks of lifting lockdown will only be minimized, if the mechanism of this highly variable disease can finally be revealed. As long as the role of the host immune response remains unresolved, effective diagnostic and therapeutic solutions will not be easily developed.

A recent study on reactive T-cell response (<https://www.medrxiv.org/content/10.1101/2020.04.17.20061440v1>) delivered highly interesting information about cellular immunological response to SARS-CoV-2, which provide critical tools for large scale testing. After years of cooperation with our customers we have developed a broad range of serum-free culture products for production of antibodies and in vitro studies on immune cells.

Application	Product	Description
Production of antibodies	Panserin 293 (P04-710608/9)	Serum-free ready-to-use medium for HEK293 cultures
	ISF-1 (P04-995968)	Serum-free ready-to-use medium for hybridoma cultures
	Panserin H (P04-717000)	protein-free ready-to-use medium for hybridoma cultures
T-Cell studies	Panserin 413 (P04-71413)	Serum-free medium T-cell cultures
	Pancell T (P04-710414K)	Chemically defined medium T-cell cultures
	Pancoll (P04-66500)	Ready-to-use solution for isolation of T-cells from whole blood
	Human serum (P30-2501)	Stimulates proliferation (EU-origin)
	hPL (P40-29100)	Platelet lysate. Stimulates proliferation.
	CD 3/16/28; PD-1; HER-2	Primary antibodies

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