

Analysis of **Human TNF- α** by ELISA, ELISpot and FluoroSpot

Tumor necrosis factor- α (TNF- α) is produced by many different types of cells including monocytes, macrophages, and T cells. In addition to protecting against bacterial infections, modulating cell growth, and regulating the immune system, the pro-inflammatory TNF- α may also have a role in autoimmune disorders and septic shock. ELISpot and FluoroSpot can be used to enumerate TNF- α -secreting cells.

Available formats



Antibodies



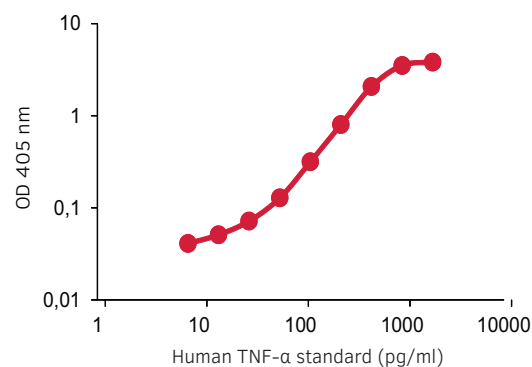
ELISA



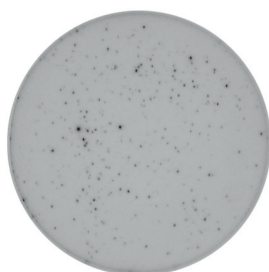
ELISpot



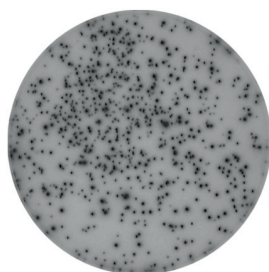
FluoroSpot



We provide **ELISA** development kits for detection of TNF- α . The graph shows a representative standard curve.

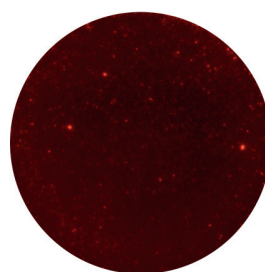


No stimuli

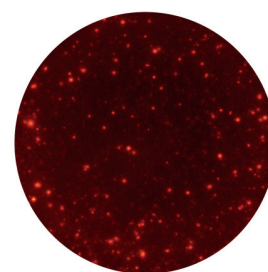


LTA

For TNF- α analysis by **ELISpot** we offer basic ELISpot kits as well as kits supplied with pre-coated plates. In the image, PBMCs were incubated overnight with or without lipoteichoic acid (LTA).



No stimuli



CEF

Detect TNF- α using single **FluoroSpot** or combine it with other analytes in our dual and triple FluoroSpot kits. In the image, PBMCs were incubated overnight with or without a pool of viral peptides (CEF).

PRODUCT	SIZE	CODE
Monoclonal antibodies		
anti-human TNF- α mAbs TNF3/4, purified	250 μ g/1 mg	3510-3- 250/1000
anti-human TNF- α mAb TNF5, biotinylated	250 μ g/1 mg	3510-6- 250/1000
ELISA		
Human TNF- α ELISA development kit (ALP)	for 6 or 20 plates	3510-1A- 6/20
Human TNF- α ELISA development kit (HRP)	for 6 or 20 plates	3510-1H- 6/20
ELISpot		
Human TNF- α ELISpot ^{BASIC} (ALP)	for 4 plates	3510-2A
Human TNF- α ELISpot ^{BASIC} (HRP)	for 4 plates	3510-2H
Human TNF- α ELISpot ^{PLUS} (ALP)	2 or 10 white plates	3510-4APW- 2/10
Human TNF- α ELISpot ^{PLUS} (HRP)	2 or 10 white plates	3510-4HPW- 2/10
FluoroSpot		
Single FluoroSpot		
Human TNF- α FluoroSpot ^{BASIC} (550)	for 4 plates	FS1-09-550
Dual FluoroSpot		
Human TNF- α /GM-CSF FluoroSpot kit	2 or 10 plates	FS-0915- 2/10
Human IFN- γ /TNF- α FluoroSpot kit, pre-coated	2 or 10 plates	FSP-0109- 2/10
Human IL-1 β /TNF- α FluoroSpot kit	2 or 10 plates	FS-1209- 2/10
Human IL-6/TNF- α FluoroSpot kit	2 or 10 plates	FS-1309- 2/10
Human TNF- α / IL-12/-23 (p40) FluoroSpot kit	2 or 10 plates	FS-0914- 2/10
Triple FluoroSpot		
Human IFN- γ /IL-2/TNF- α FluoroSpot kit, pre-coated	2 or 10 plates	FSP-010209- 2/10