

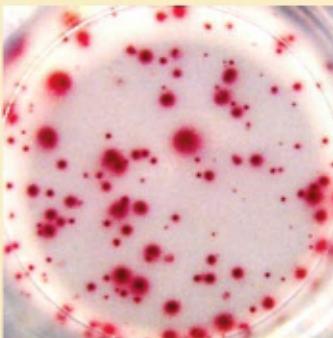
## IL-17 ELISPOT and ELISA kits

Th17 cells, that secrete IL-17 and other inflammatory cytokines, are centrally involved in autoimmune diseases, host defense and asthma.

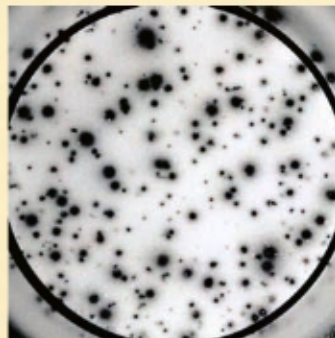
Originally, IL-17 production was reported to be dependent on IL-23, but later studies revealed that also TGF- $\beta$  plus IL-6 and IL-21 are crucial factors for Th17 cell differentiation from naïve CD4<sup>+</sup> cells. The combination of these cytokines enhances the transcription factors ROR- $\gamma$ t, that belongs to the nuclear hormone superfamily, and STAT3. Both factors are required for full differentiation of Th17 cells.

IL-17 producing cells express CCR4, CCR6 and CCL20. These chemokines recruit pathogenic cells and play an important role in the induction and maintenance of inflammatory diseases.

### Human IL-17 ELISPOT



Enzymatic staining  
*5x10<sup>4</sup> human PBMC/well stimulated with PMA/ionomycin*



Silver staining



## U-CyTech products

	ELISPOT kits species				ELISA kits species			
	human	monkey	rat	mouse	human	monkey	rat	mouse
IFN- $\gamma$	✓	✓	✓	✓	✓	✓	✓	✓
IL-1 $\beta$	✓	✓			✓	✓		
IL-2	✓	✓			✓	✓		
IL-4	✓	✓	✓	✓	✓	✓	✓	✓
IL-5	✓	✓		✓	✓	✓		✓
IL-6	✓	✓			✓	✓		
IL-8					✓	✓		
IL-10	✓	✓		✓	✓	✓		✓
IL-12p40+p70	✓	✓			✓	✓		
IL-12p70	✓				✓			
IL-13	✓	✓			✓	✓		
IL-17	✓	✓			✓	✓		
IL-23					✓	✓		
TNF- $\alpha$	✓	✓	✓	✓	✓	✓	✓	✓
GM-CSF	✓	✓			✓	✓		
G-CSF					✓			
Granzyme B	✓				✓			
Perforin	✓	✓			✓	✓		

### ELISPOT and ELISA

ELISPOT assays are available in 2-plate and 5-plate format kits and can be supplied with silver staining (black spots on polystyrene plates) or enzymatic staining (red spots on PVDF membrane plates).  
ELISA assays are available in 5-plate kits.

### Also available

Chimpanzee ELISPOT and ELISA kits  
Matched antibody pairs for cyto-kine ELISPOT and ELISA analysis  
FluoroS pot kits

### Guaranteed stability

We guarantee that our antibody pairs for cytokine ELISPOT and ELISA analysis will remain stable for minimal one year from date of purchase if stored properly.

### More information

Prices, catalog numbers, cytokine specificity and other information can be found on our website [www.aniara.com](http://www.aniara.com)

### Ordering

Orders can be placed online, by e-mail, telephone, fax or regular mail.  
Please, consult our website [www.aniara.com](http://www.aniara.com)



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