

## Assays for the Human IL-17 Family

It has been demonstrated that T helper cells can differentiate into IL-17 producing cells independent of Th1 or Th2 pathways establishing Th17 cells as a unique T-cell lineage challenging the classical two pathways theory. This new T helper cell lineage is defined by its ability to produce IL-17A, IL-17F and IL-17A/F.

With our reputation for developing quality products based on scientific excellence, we have now developed one of the largest range of ELISA and ELISpot kits available for the detection of Human IL-17A, IL-17F and IL-17A/F.

### VALUABLE INVESTIGATION TOOL

IL-17A, IL-17F and IL-17A/F have been shown to play an important role in the host immune response to various infection and disease states, including bacterial, fungal and viral infections, autoimmune diseases including psoriasis, rheumatoid arthritis and multiple sclerosis as well as inflammatory conditions such as Crohn's disease. The use of the Diaclone Human IL-17 family of detection kits is therefore a valuable investigation tool for a wide range of research areas.

### DIACLONE ELISA

Diaclone ELISA (Enzyme Linked Immuno-Sorbent Assays) are highly sensitive assays designed for the *in vitro* quantitative and qualitative determination of cytokines, CD antigens, apoptosis markers and other analytes from human serum, plasma and cell culture supernatant.

In a constant effort to improve the quality and efficiency of our products, the Diaclone ELISA kits now contain the new EASYview coloured solutions. These coloured reagents are designed as a visual aid to facilitate the pipetting and filling of the ELISA plates. Significant validation has been performed to ensure that there is no impact on assay performance and the excellence of the results obtained with Diaclone ELISA kits.

**EASYview**

Robust manufacturing of our own antibodies and our long history of expertise, ensure excellent kit batch to batch consistency and ELISA set performance equivalent to our pre-coated ELISA kits.



Diaclone IL-17 ELISA Kits			
	IL-17A	IL-17F	IL-17A/F
Cat no. 1 x 96 wells 2 x 96 wells	850.940.096 850.940.192	850.980.096 850.980.192	850.990.096 850.990.192
Specificity	Recognizes both recombinant and natural human protein		
Range	3.125-100pg/ml	15.6-500pg/ml	
Sensitivity	< 3pg/ml	< 6pg/ml	< 6.6pg/ml
Incubation time	3 hours 45 minutes		
Sample types	Serum, Plasma, Cell culture supernatant		
Sample size	100µl	100µl supernatant, 50µl Serum and Plasma	
Cross-reactivity	No cross-reactivity against human cytokines listed in the kit inserts. Some cross-reactivity within the IL-17 Family, see kit inserts for details.		
Intra-assay CV	5.3%	7.1%	5.7%
Inter-assay CV	9.8%	7.7%	5.9%
Mean «spike» recovery	121%	89%	102%
Kit contents	Pre-coated 12 strip plates, biotinylated detection antibody, standards, controls (when available), buffers, streptavidin-HRP, TMB and stop reagent.		

Note: These kits are also available as 1x48 well demo kits.

Related ELISA Products		
	Formats	Cat no.
IL-17A ELISA Set Capture and Detection antibody, standards, HRP and TMB substrate	5x96 wells	851.720.005
	10x96 wells	851.720.010
	15x96 wells	851.720.015
	20x96 wells	851.720.020
IL-17F ELISA Set Capture and Detection antibody, standards, HRP and TMB substrate	5x96 wells	851.740.005
	10x96 wells	851.740.010
	15x96 wells	851.740.015
	20x96 wells	851.740.020
IL-17A/F ELISA Set Capture and Detection antibody, standards, HRP and TMB substrate	5x96 wells	851.750.005
	10x96 wells	851.750.010
	15x96 wells	851.750.015
	20x96 wells	851.750.020
IL-17A, IL-17F and IL-17A/F Bulk Antibodies	Capture (1mg/ml) Detection (0.1mg/ml)	Available, please contact us for a quote

For research use only

## DIACLONE ELISPOT

Diaclone ELISpot (Enzyme Linked ImmunoSpot assay) are highly specific immunoassays for the analysis of cytokines and other soluble molecules production and secretion from T-cells at a single cell level in conditions closely comparable to the *in vivo* environment with minimal cell manipulation. Diaclone ELISpot assays can be used as important tools in a number of research areas including vaccine development, oncology, autoimmunity, HIV and transplant rejection.

## PRODUCT RANGE

With the benefits of specific, sensitive, accurate and reliable measurement of cytokines and soluble molecules combined with the diversity of the product range, Diaclone products are the clear choice to...

## Fast Track Your Research

### Products available:



Monoclonal Antibodies



ELISA



ELISpot



DIApex



Recombinant Proteins



Custom services

## GLOBAL DISTRIBUTION

Please visit our website [www.diaclone.com](http://www.diaclone.com) for a full list of distributors.

### Diaclone IL-17 ELISpot Pre-Coated Kits:

		IL-17A	IL-17F	IL-17A/F
Cat no.	1x96 wells	856.151.001PC	856.161.001PC	856.171.001PC
	5x96 wells	856.151.005PC	856.161.005PC	856.171.005PC
Specificity	Recognises natural human protein			
Incubation time following cell stimulation	160mins			
Sample size	100µl			
Cross-reactivity	No cross-reactivity against human cytokines listed in the kit inserts. Some cross-reactivity within the IL-17 Family, see kit inserts for details. (Conducted <i>via</i> ELISA testing of antibody pair)			
Kit contents	Precoated PVDF plates, detection antibody, alkaline phosphatase conjugate, BSA, BCIP/NBT ready to use substrate buffer.			

### Diaclone IL-17 ELISpot Kits:

		IL-17A	IL-17F	IL-17A/F
Cat no.	5x96 wells	856.151.005	856.161.005	856.171.005
	10x96 wells	856.151.010	856.161.010	856.171.010
	15x96 wells	856.151.015	856.161.015	856.171.015
	20x96 wells	856.151.020	856.161.020	856.171.020
Specificity	Recognises natural human protein			
Incubation time following cell stimulation	160mins			
Sample size	100µl			
Cross-reactivity	No cross-reactivity against human cytokines listed in the kit inserts. Some cross-reactivity within the IL-17 Family, see kit inserts for details. (Conducted <i>via</i> ELISA testing of antibody pair)			
Alternative formats	The above catalogue numbers are kits <b>without plates</b> but alternatively they can be ordered with <b>Non-sterile</b> or <b>Sterile plates</b> by adding a P or S respectively to the catalogue numbers.			
Kit contents	Precoated PVDF plates, detection antibody, alkaline phosphatase conjugate, BSA, BCIP/NBT ready to use substrate buffer.			

Note: These kits are also available as 1x96 well demo kits.

### Related ELISpot products:

	Format	Cat no.
Human IL-17A ELISpot Pair	10x96 wells	869.150.010
Human IL-17F ELISpot Pair	10x96 wells	869.160.010
Human IL-17A/F ELISpot Pair	10x96 wells	869.170.010