



IL-17A (human), EIA Kit

New Ultra-Sensitive Assay

The IL-17A (human), EIA kit provides a reliable, specific, and highly sensitive assay for the detection of this critical marker of inflammation and hematopoiesis. Originally identified as CTL-associated antigen 8, IL-17 is the defining cytokine produced by Th17 cells, a subset of effector T-helper cells that are known to regulate pathogen clearance, induce autoimmune tissue inflammation, and hematopoiesis. Along with IL-1, IL-17 serves as a critical marker in the responsiveness of multiple sclerosis patients to beta interferon drugs. Elevated levels of IL-17A and increased presence of Th17 cells has been associated with airway inflammation, rheumatoid arthritis, intraperitoneal abscesses, inflammatory bowel disease, allograft rejection, psoriasis, and cancer.

IL-17A (human), EIA Kit

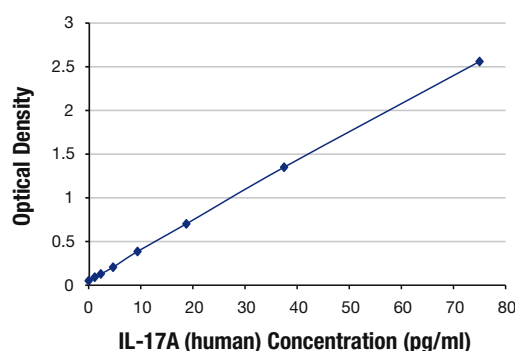
ADI-900-177

1 x 96 wells

For the quantitative determination of human IL-17A in culture supernatants, plasma, and serum samples. **SENSITIVITY:** 0.2pg/ml (range 2.34-75pg/ml).

Product Features & Benefits

- Fast – results from up to 40 samples in duplicate in just 3 hours
- Sensitive – measure as little as 0.2 pg/ml of human IL-17A
- Easy-to-use – liquid color-coded reagents and pre-coated plate reduce errors



Related Products

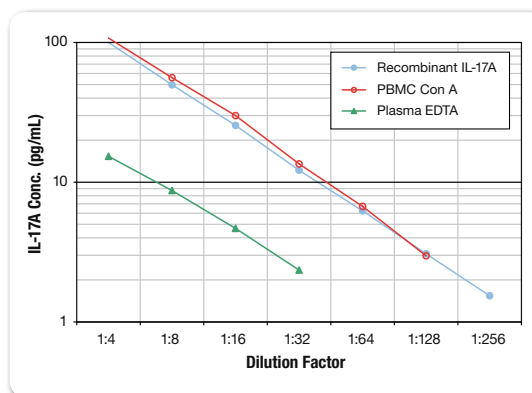
Product	Prod. No.	Size
IL-1β (human), EIA kit	ADI-900-130	1 x 96 wells
IL-2 (human), EIA kit	ADI-900-118	1 x 96 wells
IL-4 (human), EIA kit	ADI-900-145	1 x 96 wells
IL-6 (human), EIA kit	ADI-900-033	1 x 96 wells
IL-8 (human), EIA kit	ADI-900-156	1 x 96 wells
IL-10 (human), EIA kit	ADI-900-036	1 x 96 wells
IL-33 (soluble) (human), detection set [for ELISA Application]	APO-54N-025-KI01	5 x 96 wells

Selected Review Articles

LIT: Protumor vs antitumor functions of IL-17: G. Murugaiyan & B. Saha; J. Immunol. **183**, 4169 (2009). • IL-17 receptor signaling: ubiquitin gets in on the act: S.D. Levin; Sci. Signal **2**, pe64 (2009).
 • Th17/Th1 phenotype in demyelinating disease: L.J. Edwards, et al.; Cytokine **50**, 19 (2010).

Parallelism Between Recombinant & Natural IL-17A

Parallelism experiments were carried out to determine if the recombinant human IL-17A standard accurately determines human IL-17A concentrations in biological matrices. PBMCs (peripheral blood mononuclear cells) stimulated with the mitogen Concanavalin A9 were used to assess parallelism. Values were obtained using the cell supernatants from treated cultures serially diluted in assay buffer and assessed from a standard curve using four parameter logistic curve fitting. Human EDTA plasma was similarly diluted in assay buffer and assessed again from a standard curve using four parameter logistic curve fitting. The observed values were plotted against the dilution factors. Parallelism of the curves demonstrates that the antigen binding characteristics are similar enough to allow the accurate determination of native analyte levels in diluted samples.



Related Products

Product	Prod. No.	Size
IL-17A (human), mAb (17-142F)	ALX-804-756-C050	50 µg
	ALX-804-756-C100	100 µg
	ALX-804-756F-C050	FITC 50 µg
IL-17A (human), (rec.)	ALX-201-374-C010	10 µg
	ALX-201-374-C050	50 µg
IL-17E, mAb (68C1039.2)	ALX-804-377-C100	100 µg
IL-23 (human), (rec.)	ALX-201-343-C010	10 µg
	ALX-201-343-C050	50 µg

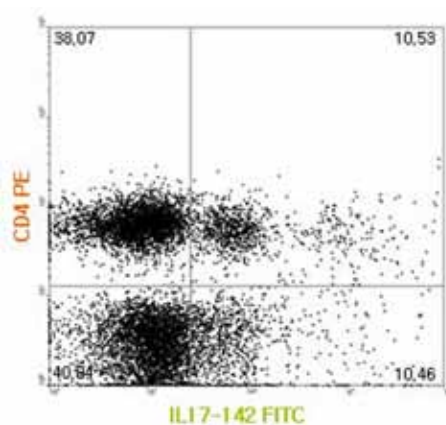


FIGURE 2: Human PBMCs were cultured with recombinant IL-1b, TGF-b, and IL-6 for 4 days. Cells were then reactivated with PMA/Ionomycin in the presence of monensin for 5h. Cells were stained with MAb to IL-17A (human) (17-142F) (FITC) (Prod. No. ALX-804-756F) and PE anti-CD4. Cells in the lymphocyte gate were used for analysis. Quadrant lines demarcate isotype control.

North/South America

ENZO LIFE SCIENCES INTERNATIONAL, INC.

5120 Butler Pike
Plymouth Meeting, PA 19462-1202 / USA
Tel. 1-800-942-0430/(610) 941-0430
Fax (610) 941-9252
info-usa@enzolifesciences.com

Switzerland & Rest of Europe

ENZO LIFE SCIENCES AG

Industriestrasse 17, Postfach
CH-4415 Lausen / Switzerland
Tel. + 41/0 61 926 89 89
Fax + 41/0 61 926 89 79
info-ch@enzolifesciences.com

Benelux

ENZO LIFE SCIENCES BVBA

Melkerijweg 3
BE-2240 Zandhoven / Belgium
Tel. +32/0 3 466 04 20
Fax +32/0 3 466 04 29
info-be@enzolifesciences.com

France

ENZO LIFE SCIENCES FRANCE

c/o Covalab s.a.s
13, avenue Albert Einstein,
69100 Villeurbanne / France
Tel. +33/0 472 440 655
Fax +33/0 437 484 239
info-fr@enzolifesciences.com

Germany

ENZO LIFE SCIENCES GmbH

Marie-Curie-Strasse 8
DE-79539 Lörrach / Germany
Tel. +49/0 7621 5500 526
Toll Free: 0800 6649518
Fax +49/0 7621 5500 527
info-de@enzolifesciences.com

UK & Ireland

ENZO LIFE SCIENCES (UK) LTD.

Palatine House
Matford Court
Exeter EX2 8NL / UK
Tel. 0845 601 1488 (UK customers)
Tel. +44/0 1392 825900 (overseas)
Fax +44/0 1392 825910
info-uk@enzolifesciences.com

For Local Distributors please
visit our Website.