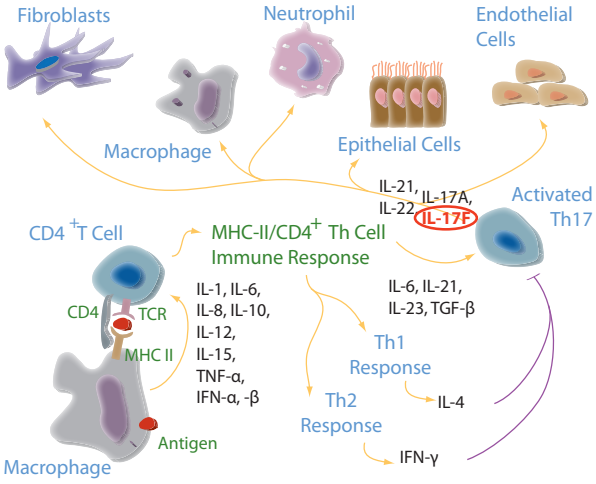
Erenna® IL-17A/F Heterodimer Immunoassay Kit
Cat.# 03-0073-xx

Singulex®

Biology and Disease

The IL-17 family is comprised of cytokines crucial for autoimmune and inflammatory responses. Out of its 6 founding members, IL-17A and IL-17F share the greatest sequence homology with four highly conserved cysteine residues. These conserved residues form disulfide bonds that contribute to the 3- dimensional molecular structure, leading to both homodimeric IL-17A/A and IL-17F/F, and heterodimeric IL-17A/F forms. The IL-17 family has been linked to rheumatoid arthritis (RA), asthma, allergic responses, lupus, allograft rejection and anti-tumor immunity. In vitro and in vivo, IL-17A/F has been shown to be more potent than IL-17F/F but less potent than IL-17A/A in inducing pro-inflammatory activities.



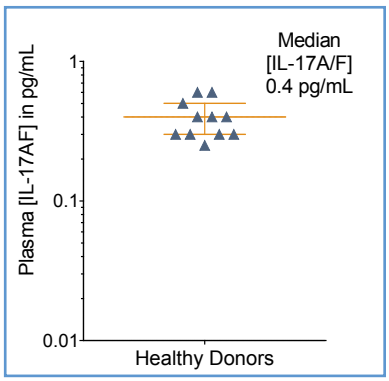


FIGURE 1: [IL-17A/F] in serum from 20 healthy donors (8 samples < LLoQ), with median and interquartile range.

The Erenna® IL-17A/F Immunoassay Kit quantifies IL-17A/F in serum from healthy subjects, who have a median [IL-17A/F] of 0.4 pg/mL that is above the detection limit of 0.023 pg/mL.

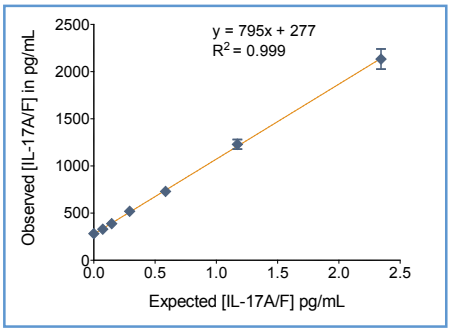


FIGURE 2: The Erenna® IL-17A/F Immunoassay Kit low-end standard curve.

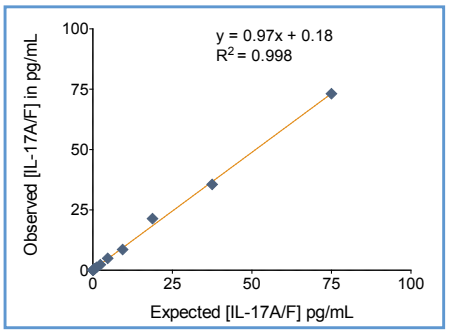
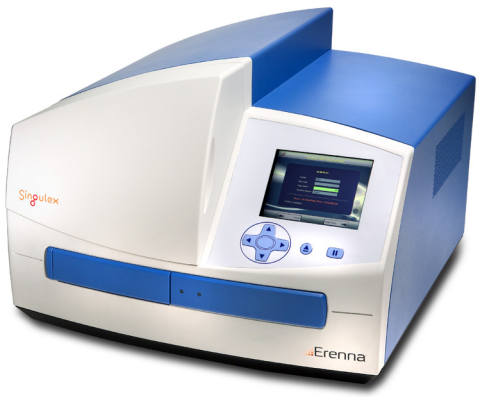


FIGURE 3: The Erenna® IL-17A/F Immunoassay Kit correlation curve.

TABLE 1: Analytical sensitivity of the Erenna® IL-17A/F Heterodimer Immunoassay Kit[1]

Lower Limit of Detection	0.023 pg/mL
Lower Limit of Quantification[2]	0.3 pg/mL
Upper Limit of Quantification	75 pg/mL
Low-end CV% Range	1 - 9%
Low-end CV% Average	5%
Recommended Sample Volume	100 µL
Minimum Sample Volume Required[3]	100 µL
Matrices Verified	human serum/ EDTA plasma

[1] see product insert for updated values
[2] LLoQ ≤ 20% CV and ± 20% recovery
[3] based upon median [IL-17A/F] in a healthy reference population



Representative data shown for demonstration purposes only. Individual results may vary depending upon samples tested and protocol used.

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