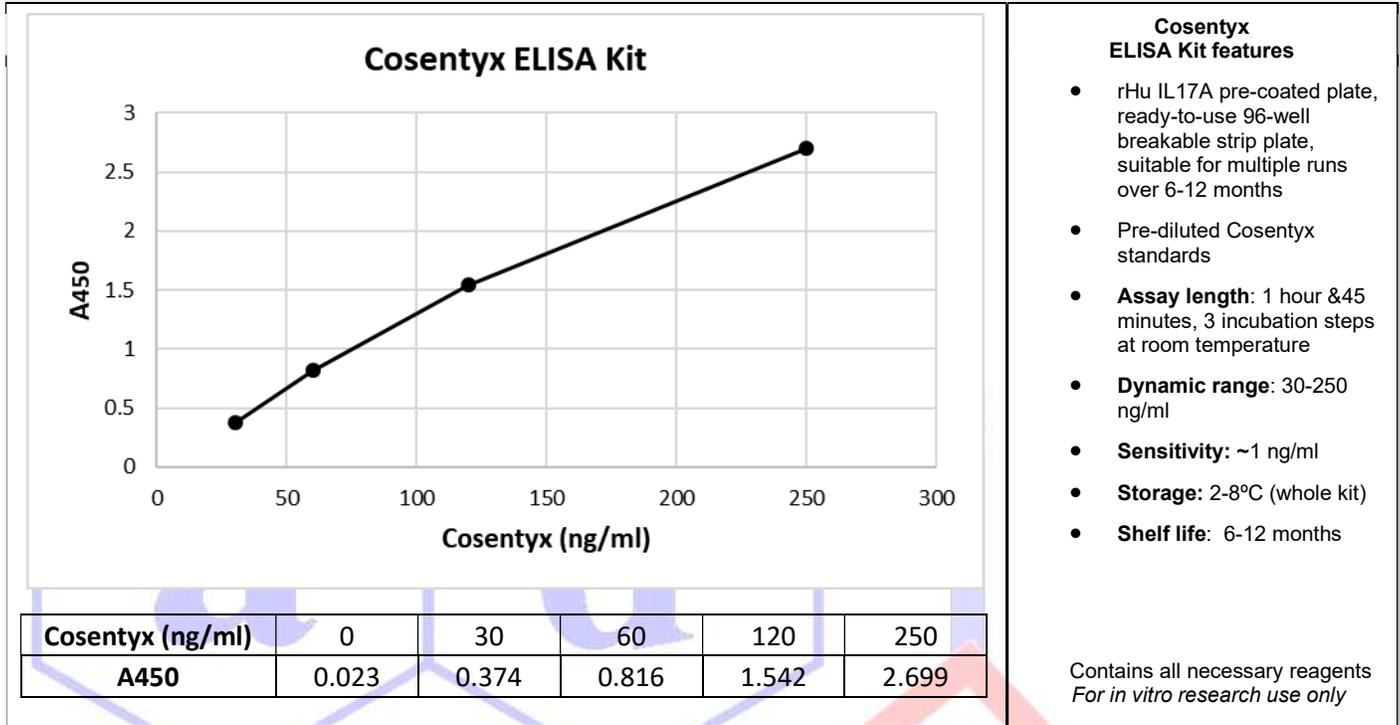


The Secukinumab ELISA Kit is a sensitive sandwich ELISA for the measurement of Cosentyx in serum, plasma, cell culture supernatants, and other appropriately qualified matrices



Assay Procedure: Allow all reagents to reach room temperature. Arrange and label required number of strips.

- Step 1.** Pipette 100 µl of standards and appropriately diluted samples and incubate for 1 hour at room temperature.
- Step 2.** Wash the wells 3X with 300 µl of wash buffer per well
- Step 3.** Add 100 µl of HRP conjugated detection antibody to each well and incubate for 30 minutes at room temperature
- Step 4.** Wash the plate 5X with 300 µl of wash buffer per well.
- Step 3.** Add 100 µl of TMB Substrate solution to all wells, mix gently, and incubate at room temperature for 15 minutes.
- Step 4.** Pipette 100 µl of stop solution into each well and mix gently. Measure at 450 nm w/ 630 nm as a reference filter if available.

Performance Characteristics

Sensitivity: ~1 ng/ml
Average recovery: 100 ±15%
Average linearity: 100 ±15%
Precision: Intra-assay: <10% Inter-assay: <10%
Species reactivity: Species independent

Minimum recommended dilution

Serum & Plasma: 200-fold

Note: Minimum recommended dilution represents the dilution which is needed to eliminate matrix interference effects and obtain optimal recovery. All samples must be diluted to at least the minimum recommended ratio. Samples may be further diluted if the sample values fall within the standard curve. Higher dilutions will reduce background and produce higher recovery

General Information

Cosentyx or Secukinumab is an immunosuppressant that reduces the effects of substances in the body that can cause inflammation. Cosentyx is used to treat moderate to severe plaque psoriasis, ankylosing spondylitis, and psoriatic arthritis. Cosentyx is a Human IgG1 monoclonal antibody that binds to the protein Interleukin 17A. IL17A is upregulated in the serum of people with psoriasis and in the synovial fluid of people with psoriatic arthritis.