

Human Interleukin 8 ELISA Kit | IL 8 elisa kit

Human Interleukin 8 ELISA Kit

CATALOG #
AAA87199

REACTIVITY
Human

PRODUCT SYNONYMS

Interleukin 8; Human Interleukin 8 ELISA Kit; IL 8 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Sequence Length	101
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive or Sandwich
Detection Range	50-1000pg/mL
Sensitivity	1.0pg/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

ADDITIONAL INFORMATION

Related Product Information for IL 8 elisa kit	Intended Uses: This IL-8 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human IL-8. This ELISA kit for research use only! Principle of the Assay IL-8 ELISA kit applies the quantitative sandwich enzyme immunoassay technique. The microtiter plate has been pre-coated with a monoclonal antibody specific for IL-8. Standards or samples are then added to the microtiter plate wells and IL-8 if present, will bind to the antibody pre-coated wells. In order to quantitatively determine the amount of IL-8 present in the sample, a standardized preparation of horseradish peroxidase (HRP)-conjugated polyclonal antibody, specific for IL-8 are added to each well to "sandwich" the IL-8 immobilized on the plate. The microtiter plate undergoes incubation, and then the wells are thoroughly washed to remove all unbound components. Next, substrate solutions are added to each well. The enzyme (HRP) and substrate are allowed to react over a short incubation period. Only those wells that contain IL-8 and enzyme-conjugated antibody will exhibit a change in color. The enzyme-substrate reaction is terminated by addition of a sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450 nm. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The IL-8 concentration in each sample is interpolated from this standard curve.
Product Categories/Family for IL 8 elisa kit	Immunology

NCBI AND UNIPROT INFORMATION

NCBI GI #	74136483
NCBI GeneID	613028
NCBI Accession #	NP_001028137.1
NCBI GenBank Nucleotide #	NM_001032965.1
UniProt Accession #	P67813; P51495

Molecular Weight	11,320 Da
NCBI Official Full Name	interleukin-8
NCBI Official Symbol	CXCL8
NCBI Official Synonym Symbols	IL8
NCBI Protein Information	interleukin-8
UniProt Protein Name	Interleukin-8
UniProt Gene Name	CXCL8
UniProt Synonym Gene Names	IL8; IL-8
UniProt Entry Name	IL8_MACMU

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://www.aaabiotech.com/il-8-human-elisa-kits/interleukin-8/87199>