

Human IL-20 ELISA Kit | IL-20 elisa kit

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CATALOG #
AAA258453

REACTIVITY
Human

PRODUCT SYNONYMS

IL-20; Human IL-20 ELISA Kit; IL-20 ELISA Kit; Human; interleukin 20; IL10D ELISA Kit; interleukin-20 ELISA Kit; ZCYTO10 ELISA Kit; IL-20 elisa kit

PRODUCT SPECIFICATIONS

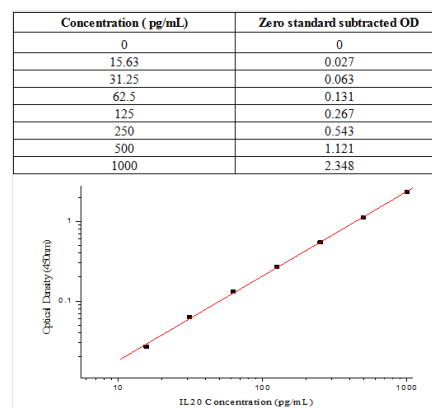
Reactivity	Human
Specificity	For the quantitative determination of Human IL-20 concentration in cell culture supernates.
Assay Type	Solid Phase Sandwich ELISA (quantitative)
Sample Types	Cell supernatant
Detection Range	15.63-1000pg/mL
Sensitivity	7.99pg/mL
Conjugation	HRP
Interference	Preparations of the factors listed below at 50ng/mL in a mid-range recombinant human IL20 control were assayed for interference. No significant interference was observed.
Materials Provided	1. 96 well microplate coated with Capture Antibody 2. Detection Antibody conjugated to HRP 3. Standards 4. Wash Buffer Concentrate 5. Dilution Buffer Concentrate 6. Color Reagent A 7. Color Reagent B 8. Stop Solution

IMAGES

Recombinant human			
CD40L	IL1a	IL1b	IL3
IL4	IL5	IL6	IL7
IL8	IL9	IL10	IL11
IL12	IL12B	IL-13	IL15
IL16	IL17A(24-155)	IL20Ra	IL22
IL-28A	IL29	TNFa	IL-2
IL-33	VEGF	IFN-γ	CCL4
TIMP-1	TIMP-2	GM-CSF	SCF
PDGF	CD40		
Recombinant mouse			
IFNG	IL1A	IL1B	IL1R1
IL4RA	IL5	IL6	IL7
IL-11	IL12B	TNF-a (80-235)	
Recombinant rat			
IFNA1	IL2	IL-6	TNFα
Recombinant sus scrofa (pig)			
IL1B	IL-6	IL-10	

Application Data

This assay recognizes both recombinant and natural Human IL20. The factors listed below were prepared at 50ng/mL in dilution buffer and assayed for cross-reactivity. No cross-reactivity was observed.



Standard Curve (Sample)

This standard curve is only for demonstration purposes. A standard curve should be generated for each assay.

ADDITIONAL INFORMATION

Related Product Information for IL-20 elisa kit	This IL-20 ELISA Kit, Human is an enzyme-linked immunosorbent assay for the quantitative measurement of Human IL-20 protein in Cell supernatant. It contains recombinant Human IL-20, and antibodies raised against the recombinant protein. This ELISA kit is complete and ready-to-use. Background: IL20/Interleukin-20 belongs to the IL-10 family. It is a cytokine structurally related to interleukin 10. IL20/Interleukin-20 can be detected in skin, trachea, and other tissues. It is produced by activated keratinocytes and monocytes and transmits an intracellular signal through two distinct cell-surface receptor complexes on keratinocytes and other epithelial cells. It has been shown that interleukin-20 transduces its signal through signal transducer and activator of transcription 3 (STAT3) in keratinocytes. It may be involved in epidermal function and psoriasis. It also regulates the proliferation and differentiation of keratinocytes during inflammation, particularly inflammation associated with the skin. Also, IL20/Interleukin-20 also causes cell expansion of multipotential hematopoietic progenitor cells. A specific receptor for this cytokine is found to be expressed in skin and upregulated dramatically in psoriatic skin, suggesting a role for this protein in epidermal function and psoriasis.
References	Chen XY, et al. (2011) The association between the IL-20-1723CG allele on the 1q chromosome and psoriasis triggered or exacerbated by an upper respiratory tract infection in the Chinese Han population. <i>Dermatology</i>. 222(1):24-30. Baird AM, et al. (2011) IL-20 is epigenetically regulated in NSCLC and down regulates the expression of VEGF. <i>Eur J Cancer</i>. 47(12):1908-18. Logsdon NJ, et al. (2012) Purification, crystallization and preliminary X-ray diffraction analysis of the IL-20-IL-20R1-IL-20R2 complex. <i>Acta Crystallogr Sect F Struct Biol Cryst Commun</i>. 68(Pt 1):89-92.

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.

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Online datasheet: <https://www.aaabiotech.com/human-elisa-kits/il-20/258453>