

Datasheet for ABIN2042557 **IL-6 ELISA Kit**

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Overview

Quantity:	96 tests
Target:	IL-6 (IL6)
Reactivity:	Human
Method Type:	Competition ELISA
Detection Range:	4.9-300 pg/mL
Minimum Detection Limit:	4.9 pg/mL
Application:	ELISA

Product Details

Brand:	BioAssay™
Analytical Method:	Quantitative
Detection Method:	Colorimetric
Cross-Reactivity (Details):	There is no detectable cross-reactivity with other relevant proteins.
Sensitivity:	< 0.3 pg/mL
Components:	A: Microtiter Strip 1x96wells pre-coated with anti-IL-6, Human B: Standard, Recombinant IL-6 Human, 10 ng, 2x1 vial Lyophilized C: Anti-human IL-6 (Biotin), 1x130 µL

Target Details

Target:	IL-6 (IL6)
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Target Details

Alternative Name:	IL-6 (IL6 Products)
Pathways:	TLR Signaling, Hormone Transport, Negative Regulation of Hormone Secretion, Myometrial Relaxation and Contraction, Positive Regulation of Immune Effector Process, Production of Molecular Mediator of Immune Response, Regulation of Carbohydrate Metabolic Process, Autophagy, Cell RedoxHomeostasis, Cancer Immune Checkpoints, Inflammasome

Application Details

Plate:	Pre-coated
Protocol:	Sandwich ELISA quantitative detection kit for Human IL-6 in cell culture supernates, serum and plasma (heparin, EDTA, citrate).The human interferon-beta 2 gene (IFNB2) product is identical to that for the B-cell stimulation factor-2 (BSF-2), the hybridoma growth factor (HGF) ("interleukin-6"), and the hepatocyte stimulating factor (HSF). Proteins derived from this gene mediate the plasma protein response to tissue injury (acute-phase response) and regulate the growth and differentiation of both B and T cells.1 Interleukin-6 (IL6) has come to be regarded as a potential osteoporotic factor because it has stimulatory effects on cells of the osteoclast lineage, and, thus, may play a role in the pathogenesis of bone loss associated with estrogen deficiency.2 IL-6 has many roles essential to the regulation of the immune response, hematopoiesis, and bone resorption.3 It is involved not only in the hepatic acute phase response but also in adipose tissue metabolism, lipoprotein lipase activity, and hepatic triglyceride secretion.4 Overproduction of IL-6, a proinflammatory cytokine, is associated with a spectrum of age-related conditions including cardiovascular disease, osteoporosis, arthritis, type 2 diabetes, certain cancers, periodontal disease, frailty, and functional decline.5 BSF-2 is a novel interleukin consisting of 184 amino acids.6 The standard product used in this kit is recombinant human IL-6, consisting of 184 amino acids with the molecular mass of 20.3kD.
Restrictions:	For Research Use only

Handling

Storage:	4 °C/-20 °C
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