

IL-8 Human, Recombinant, E.coli

Cat.NO.: TP02602

3th Edition

Synonyms:CXCL8, NCF, NAP, MDNCF, TCF, GCP, LAI

Description:Interleukin-8 (IL-8) is a chemokine, a member of the cytokine family that displays chemotactic activity for specific types of leukocytes. It is a proinflammatory CXC chemokine that can signal through the CXCR1 and CXCR2 receptors. Many cell types, including monocyte/macrophages, T cells, neutrophils, fibroblasts, endothelial cells, keratinocytes, hepatocytes, chondrocytes, and various tumor cell lines, can produce CXCL8/IL-8 in response to a wide variety of pro-inflammatory stimuli such as exposure to IL-1, TNF, LPS, and viruses.

Form:Phosphate buffer saline (pH 7.4)

Molecular Weight:9kDa (78aa), confirmed by MALDI-TOF

Sequences:

MAVLPRSAKELRCQCIKTYSKPFHPKFIKELRVIESGPHCANTEIIVKLSDGRELCLDPKENWVQRVVEKFLKRAENS

Purity:> 95% by HPLC

Concentration:1 mg/ml (determined by BCA assay).

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

Storage:Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.