

Anti-CXCL8/IL-8 Antibody

Chemical Properties

CAS No. :

Formula:

Molecular Weight:

Storage: Store at low temperature
Store at -20°C

Actual storage temperature shall be subject to the COA.

Biological Description

Description	Anti-CXCL8/IL-8 Antibody is a humanized monoclonal antibody targeting the chemokine CXCL8 (Interleukin-8, IL-8). CXCL8 is a pro-inflammatory chemokine frequently overexpressed in the tumor microenvironment, which promotes tumor angiogenesis, survival, proliferation, and migration by binding to its G protein-coupled receptors, CXCR1 and CXCR2. This antibody effectively neutralizes extracellular CXCL8, blocking its interaction with CXCR1/2 and subsequently disrupting the paracrine and autocrine signaling loops driven by CXCL8. This mechanism inhibits tumor-associated vascularization and diminishes tumor cell resistance to conventional therapies, making it a critical tool for researching solid tumor progression, metastasis, and microenvironmental modulation.
In vitro	Anti-CXCL8/IL-8 Antibody effectively neutralize CXCL8, blocking its binding to CXCR1/2 and inhibiting downstream Akt and MAPK signaling. This suppression reduces cancer cell survival under hypoxia and inhibits endothelial cell migration, thereby preventing the early stages of angiogenesis [1].
In vivo	Systemic administration of Anti-CXCL8/IL-8 Antibody reduces microvessel density and slows solid tumor growth in animal models. By neutralizing tumor-derived IL-8, the treatment also decreases metastatic potential and enhances the efficacy of co-administered cytotoxic agents [1].

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286

E_mail:info@targetmol.com

Address:34 Washington Street,Wellesley Hills,MA 02481