

Anti-IL8/CXCL8 Antibody Picoband® Fluoro488 Conjugated

Catalog Number: PB9621-Fluoro488

About CXCL8

Interleukin-8 (IL-8) is a chemokine produced by macrophages and other cell types such as epithelial cells. It is also synthesized by endothelial cells, which store IL-8 in their storage vesicles, the Weibel-Palade bodies. In humans, the interleukin-8 protein is encoded by the IL8 gene. Interleukin-8 (IL8) is a member of the CXC chemokine family. IL-8 is believed to play a role in the pathogenesis of bronchiolitis, a common respiratory tract disease caused by viral infection. This gene and other ten members of the CXC chemokine gene family form a chemokine gene cluster in a region mapped to chromosome 4q. The genes for IL8 have been co-localized on a 335-kb genomic fragment.

Overview

Product Name	Anti-IL8/CXCL8 Antibody Picoband® Fluoro488 Conjugated
Reactive Species	Human
Application	Recommended applications are based on the parent unconjugated antibody (ELISA, IHC, WB). Customers may select suitable applications according to their experimental needs.
Clonality	Polyclonal
Formulation	Each vial contains 50% glycerol, 0.9% NaCl, 0.2% Na ₂ HPO ₄ , 0.02% NaN ₃ .
Storage Instructions	At -20°C for one year from date of receipt. Avoid repeated freezing and thawing. Protect from light.
Host	Rabbit
Uniprot ID	P10145

Technical Details

Immunogen	E. coli-derived human IL-8 recombinant protein (Position: A23-S99).
Cross Reactivity	No cross-reactivity with other proteins
Isotype	Rabbit IgG
Form	Liquid
Concentration	0.5 mg/mL
Purification	Immunogen affinity purified.
Conjugate	Fluoro488 Excitation Wavelength: 488 nm Emission Wavelength: 515-545 nm
Suggested Dilutions	Optimal dilutions should be determined by end users.

38 Publications Citing This Product

1. PubMed ID: 33550074, Hou J, Lei Z, Cui L, Hou Y, Yang L, An R, Wang Q, Li S, Zhang H, Zhang L. Polystyrene microplastics lead to pyroptosis and apoptosis of ovarian granulosa cells via NLRP3/Caspase-1 signaling pathway in rats. *Ecotoxicol Environ Saf.* 2021 Feb 4;212:112012. doi:10.1016/j.ecotox.2021.112012.
2. PubMed ID: 25317156, Neuroprotective effect of pretreatment with ganoderma lucidum in cerebral ischemia/reperfusion injury in rat hippocampus
3. PubMed ID: 25807257, Zhang H, Xia X, Han F, Jiang Q, Rong Y, Song D, Wang Y. *Mol Pharm.* 2015 May 4;12(5):1648-61. Doi: 10.1021/acs.molpharmaceut.5B00069. Epub 2015 Apr 2. Cathelicidin-Bf, A Novel Antimicrobial Peptide From *Bungarus Fasciatus*, Attenuates Disease In A D...

Visit bosterbio.com/anti-il-8-picoband-trade-antibody-pb9621-boster.html to see all 38 publications.

Submit a product review to Biocompare.com

Submit a review of this product to Biocompare.com to receive a \$20 Amazon.com giftcard! Your reviews help your fellow scientists make the right decisions. Thank you for your contribution.



Anti-IL8/CXCL8 Antibody - Fluoro488

For Research Use Only. Not for use in diagnostic procedures.