

Catalog	Unit
TBS10400-0.5MG	0.5 mg
TBS10400-1MG	1 mg
TBS10400-5MG	5 mg

Description

Tribio in vivo Anti-Human IL-8/CXCL8 Monoclonal Antibody is a highly specific mouse monoclonal antibody targeting human IL-8 (CXCL8). It specifically recognizes and neutralizes the biological activity of IL-8 by blocking its interaction with the CXCR1 and CXCR2 receptors, and is suitable for research applications such as ELISA, flow cytometry, and functional neutralization assays. IL-8 is a key pro-inflammatory chemokine involved in neutrophil recruitment, inflammatory regulation, and angiogenesis. It is also highly expressed in various cancers, where it contributes to tumor cell proliferation, invasion, metastasis, angiogenesis, modulation of the tumor microenvironment, and therapy resistance. Therefore, this antibody is widely used in inflammation, immune regulation, and cancer research, including lungs, breast, and colorectal cancers.

Product Details

Applications:	ELISA, FCM, Neutralization
Species reactivity:	Human
Host:	Mouse
Isotype:	IgG1, kappa
Target:	GCP/IL-8 protein II, MDNCF, IL8/NAP1 form III, IL-8(1-77), Neutrophil-activating factor, GCP/IL-8 protein I, GCP/IL-8 protein VI, Interleukin-8, Chemokine (C-X-C motif) ligand 8, Neutrophil-activating protein 1, Monocyte-derived neutrophil chemotactic factor, (Ser-IL-8)72, MDNCF-b, LYNAP, GCP/IL-8 protein V, IL8/NAP1 form IV, MONAP, IL8/NAP1 form V, IL8/NAP1 form VI, NAP-1, Granulocyte chemotactic protein 1, GCP/IL-8 protein III, IL8/NAP1 form II, IL8, IL-8, CXCL8, IL8/NAP1 form I, (Ala-IL-8)77, Protein 3-10C, GCP/IL-8 protein IV, Emoctakin, GCP-1, C-X-C motif chemokine 8, NAF, T-cell chemotactic factor, MDNCF-c, Monocyte-derived neutrophil-activating peptide, Lymphocyte-derived neutrophil-activating factor.
Uniprot:	P10145
Concentration:	3 mg/ml
Purity:	>95%
Formulation:	Liquid
Storage buffer:	0.01M PBS, pH 7.4.
Purification:	Protein A/G purified from cell culture supernatant.
Clonality:	Monoclonal
Storage:	Store -20°C up to 12 months, and -80°C for long term. Avoid repeated freeze-thaw cycles.

Data Image

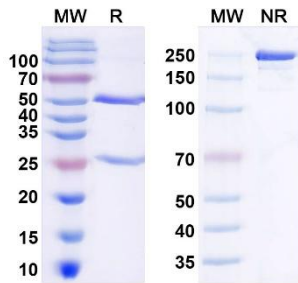


Fig. 1. SDS-PAGE for InVivoMAb Anti-Human IL8/CXCL8

MW: Molecular Weight (kDa) Marker.
 R: Reducing conditions.
 NR: Non-Reducing conditions.

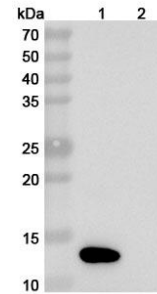


Fig. 2. Western blot analysis was performed using anti-IL8/CXCL8 monoclonal antibody at 1ug/mL on various samples.

Lane 1: recombinant human IL8/CXCL8.
 Lane 2: negative control.

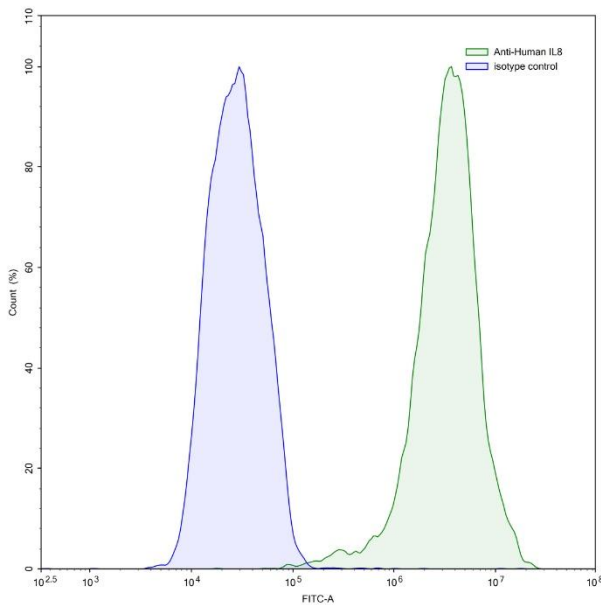


Fig. 3. Flow-cytometry using anti-human IL8 antibody.

IL8 Transfected CHO cells were stained with an irrelevant antibody (Blue Histogram) or an anti-human IL8 monoclonal antibody (Green Histogram) at a concentration of 5 µg/ml for 30 mins at RT. After washing, bound antibody was detected using a FITC conjugated goat anti-mouse antibody and cells analyzed on a NovoCyte Flow Cytometer.

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