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CXCL5 Antibody (monoclonal) (M03)

Mouse monoclonal antibody raised against a full length recombinant CXCL5.
Catalog # AT1693a

Product Information

Application	WB, E
Primary Accession	P42830
Other Accession	BC008376
Reactivity	Human
Host	mouse
Clonality	monoclonal
Isotype	IgG1 lambda
Clone Names	M1
Calculated MW	11972

Additional Information

Gene ID	6374
Other Names	C-X-C motif chemokine 5, ENA-78(1-78), Epithelial-derived neutrophil-activating protein 78, Neutrophil-activating peptide ENA-78, Small-inducible cytokine B5, ENA-78(8-78), ENA-78(9-78), CXCL5, ENA78, SCYB5
Target/Specificity	CXCL5 (AAH08376, 1 a.a. ~ 114 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Dilution	WB~~1:500~1000 E~~N/A
Format	Clear, colorless solution in phosphate buffered saline, pH 7.2 .
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Precautions	CXCL5 Antibody (monoclonal) (M03) is for research use only and not for use in diagnostic or therapeutic procedures.

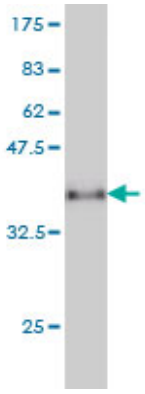
Background

The protein encoded by this gene is an inflammatory chemokine that belongs to the CXC chemokine family. This chemokine is produced concomitantly with interleukin-8 (IL8) in response to stimulation with either interleukin-1 (IL1) or tumor necrosis factor-alpha (TNFA). This chemokine is a potent chemotaxin involved in neutrophil activation.

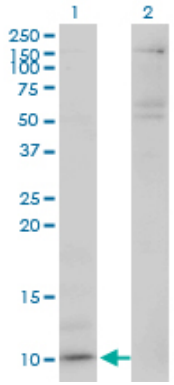
References

Interleukin-9 polymorphism in infants with respiratory syncytial virus infection: an opposite effect in boys and girls. Schuurhof A, et al. Pediatr Pulmonol, 2010 Jun. PMID 20503287.Elevated serum chemokine CXC ligand 5 levels are associated with hypercholesterolemia but not a worsening of insulin resistance in Chinese people. Yang Z, et al. J Clin Endocrinol Metab, 2010 Aug. PMID 20501684.[Association of ENA-78, IP-10 and VEGF gene polymorphism with idiopathic pulmonary fibrosis] Liu L, et al. Zhonghua Yi Xue Za Zhi, 2009 Oct 20. PMID 20137269.The Ron receptor tyrosine kinase positively regulates angiogenic chemokine production in prostate cancer cells. Thobe MN, et al. Oncogene, 2010 Jan 14. PMID 19838218.CD44v6, MMP-7 and nuclear Cdx2 are significant biomarkers for prediction of lymph node metastasis in primary gastric cancer. Okayama H, et al. Oncol Rep, 2009 Oct. PMID 19724852.

Images

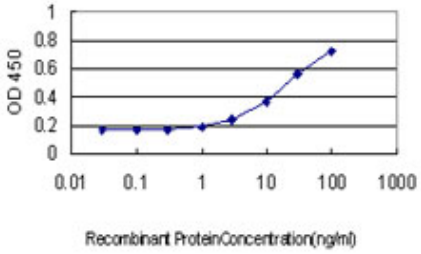


Antibody Reactive Against Recombinant Protein.Western Blot detection against Immunogen (38.28 KDa) .



Western Blot analysis of CXCL5 expression in transfected 293T cell line by CXCL5 monoclonal antibody (M03), clone M1.

Lane 1: CXCL5 transfected lysate(12 KDa).
Lane 2: Non-transfected lysate.



Detection limit for recombinant GST tagged CXCL5 is approximately 1ng/ml as a capture antibody.