

CXCL5 Rabbit Recombinant Oligoclonal Antibody – Purified

Catalog no. 710010

(See product label for lot information)



Clone/PAD: 9HCLC
Isotype: IgG
Gene ID: 6374
Protein Acc. no.: P42830
Qty: 100 µg
Volume: 200 µl
Concentration: 0.5 mg/mL

Formulation

PBS + 0.09% sodium azide

Validation

Validated for use in WB

Immunogen

Recombinant protein

Sequence Identity

Human

Expected Reactivity

Based on sequence identity and similarity, reactivity to Human is expected.

Storage

2-8°C for up to 1 month, -20°C for long term storage. Avoid repeated freezing and thawing.

Expiration Date

Expires one year from date of receipt when stored as instructed.

Background

Epithelial cell-derived neutrophil-activating peptide 78 (ENA-78) is a member of the CXC(CXCL5) subfamily of chemokines (1). The cDNA encodes a 114 amino acid (aa) precursor protein with a putative 36 aa signal peptide that is cleaved to produce the 78 aa mature protein containing a stretch of 12 aa preceding the CXC motif (1,2,5). This factor is produced by various human epithelial cells and it binds to the same receptors as IL8 and NAP2 (3,4).

References

1. Chang, M.S., J. McNinch, R. Basu, and S. Simonet (1994) Cloning and characterization of the human neutrophil-activating peptide (ENA-78) gene. *J. Biol. Chem.* 269:25277-25282.
2. Power, C.A., R.B. Furness, C. Brawand, and T.N. Wells (1994) Cloning of a full-length cDNA encoding the neutrophil-activating peptide ENA-78 from human platelets. *Gene* 151:333-334.
3. Bozic, C.R., N.P. Gerard, and C. Gerard (1996) Receptor binding specificity and pulmonary gene expression of the neutrophil-activating peptide ENA-78. *Am. J. Respir. Cell. Mol. Biol.* 14:302-308.
4. Walz, A., P. Schmutz, C. Mueller, and S. Schnyder-Candrian (1997) Regulation and function of the CXC chemokine ENA-78 in monocytes and its role in disease. *J. Leukoc. Biol.* 62:604-611.
5. Nufer, O., M. Corbett, and A. Walz (1999) Amino-terminal processing of chemokine ENA-78 regulates biological activity. *Biochemistry* 38:636-642.

Following applications had been tested during development. To make sure the consistency and reliability in the future lots, each lot is tested with antigen ELISA for specificity and potency. Each lot is also tested with SDS-PAGE, to ensure high purity.

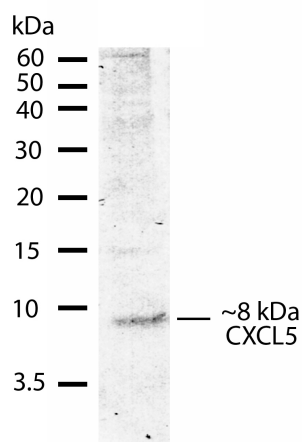
Applications:

	Species	Test Material	Concentration
Western Blotting	Human	A549	2-5 µg/ml

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Western Blot of CXCL5 labeled with rabbit anti-CXCL5 (Cat. No. 710010).

Rabbit anti-CXCL5 (2 µg/ml) was used to label CXCL5 in A549 cell lysate (30 µg/lane). The western was performed using the WesternBreeze® kit with NBT/BCIP as the substrate (Cat. No. WB7105).

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