

ARG66029 anti-CXCL5 antibody

Package: 50 µg
Store at: -20°C

Summary

| | |
|---------------------|--|
| Product Description | Rabbit Polyclonal antibody recognizes CXCL5 |
| Tested Reactivity | Hu |
| Tested Application | ELISA, IHC-P, WB |
| Host | Rabbit |
| Clonality | Polyclonal |
| Isotype | IgG |
| Target Name | CXCL5 |
| Species | Human |
| Immunogen | E. coli derived recombinant around aa. 5-78 of Human CXCL5. (AAVLRRLRCV CLQTTQGVHP KMISNLQVFA IGPOCSKVEV VASLKNGKEI CLDPEAPFLK KVIQKILDGG NKEN) |
| Conjugation | Un-conjugated |
| Alternate Names | Neutrophil-activating peptide ENA-78; Epithelial-derived neutrophil-activating protein 78; SCYB5; Small-inducible cytokine B5; C-X-C motif chemokine 5; 9-78; 8-78; 1-78; ENA-78 |

Application Instructions

| Application table | Application | Dilution |
|-------------------|---|---|
| | ELISA | Sandwich: 0.5 - 2.0 µg/ml with ARG66030 as a detection antibody |
| | IHC-P | 1 - 2 µg/ml |
| | WB | 0.1 - 0.2 µg/ml |
| Application Note | IHC-P: Antigen Retrieval: Boil tissue section in Sodium Citrate buffer (pH 6.0) followed by cooling at RT for 20 min. * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist. | |

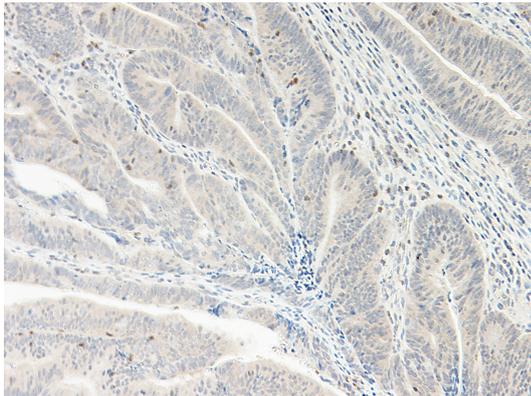
Properties

| | |
|---------------------|--|
| Form | Liquid |
| Purification | Affinity purification with immunogen. |
| Buffer | PBS (pH 7.2) |
| Concentration | 1 mg/ml |
| Storage instruction | For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use. |
| Note | For laboratory research only, not for drug, diagnostic or other use. |

Bioinformation

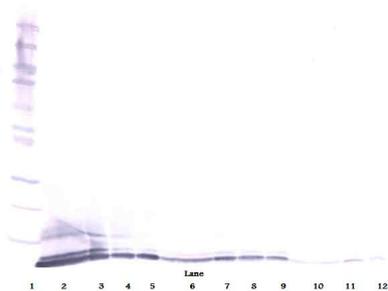
| | |
|----------------|--|
| Database links | GeneID: 6374 Human Swiss-port # P42830 Human |
| Gene Symbol | CXCL5 |
| Gene Full Name | chemokine (C-X-C motif) ligand 5 |
| Background | This gene encodes a protein that is a member of the CXC subfamily of chemokines. Chemokines, which recruit and activate leukocytes, are classified by function (inflammatory or homeostatic) or by structure. This protein is proposed to bind the G-protein coupled receptor chemokine (C-X-C motif) receptor 2 to recruit neutrophils, to promote angiogenesis and to remodel connective tissues. This protein is thought to play a role in cancer cell proliferation, migration, and invasion. [provided by RefSeq, May 2013] |
| Function | Involved in neutrophil activation. In vitro, ENA-78(8-78) and ENA-78(9-78) show a threefold higher chemotactic activity for neutrophil granulocytes. [UniProt] |
| Calculated Mw | 12 kDa |
| PTM | N-terminal processed forms ENA-78(8-78) and ENA-78(9-78) are produced by proteolytic cleavage after secretion from peripheral blood monocytes. |

Images



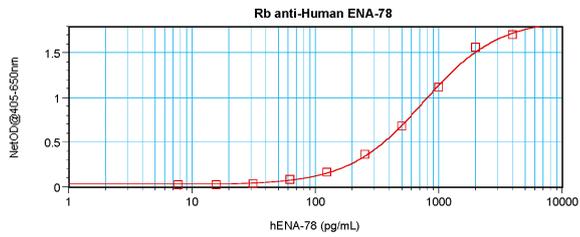
ARG66029 anti-CXCL5 antibody IHC-P image

Immunohistochemistry: Formalin-fixed and paraffin-embedded sections of Human colon and rectum adenocarcinoma. The recommended ARG66029 anti-CXCL5 antibody concentration is 1.0 µg/ml - 2.0 µg/ml with an overnight incubation at 4°C. An HRP-labeled polymer detection system was used with a DAB chromogen. Antigen Retrieval: Boil tissue section in Sodium Citrate buffer (pH 6.0) followed by cooling at RT for 20 min.



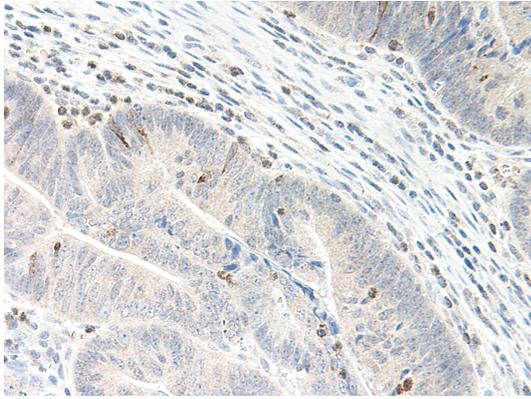
ARG66029 anti-CXCL5 antibody WB image

Western blot: 250 - 0.24 ng of Human ENA-78 stained with ARG66029 anti-CXCL5 antibody, under reducing conditions.



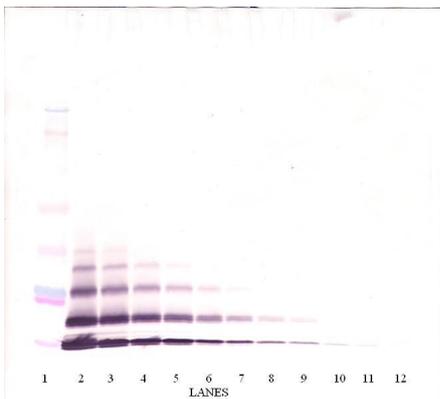
ARG66029 anti-CXCL5 antibody standard curve image

Sandwich ELISA: ARG66029 anti-CXCL5 antibody as a capture antibody at 0.5 - 2.0 µg/ml combined with ARG66030 anti-CXCL5 antibody (Biotin) as a detection antibody. Results of a typical standard run with optical density reading at 405 - 650 nm.



ARG66029 anti-CXCL5 antibody IHC-P image

Immunohistochemistry: Formalin-fixed and paraffin-embedded sections of Human colon and rectum adenocarcinoma. The recommended ARG66029 anti-CXCL5 antibody concentration is 1.0 µg/ml - 2.0 µg/ml with an overnight incubation at 4°C. An HRP-labeled polymer detection system was used with a DAB chromogen. Antigen Retrieval: Boil tissue section in Sodium Citrate buffer (pH 6.0) followed by cooling at RT for 20 min.



ARG66029 anti-CXCL5 antibody WB image

Western blot: 250 - 0.24 ng of Human ENA-78 stained with ARG66029 anti-CXCL5 antibody, under non-reducing conditions.