

**Datasheet for 202-401-311S****IL-8 Antibody****Overview**

|                      |                                                |
|----------------------|------------------------------------------------|
| <b>Description:</b>  | Anti-Cat IL-8 (RABBIT) Antibody - 202-401-311S |
| <b>Item No.:</b>     | 202-401-311S                                   |
| <b>Size:</b>         | 25 µL                                          |
| <b>Applications:</b> | WB                                             |
| <b>Reactivity:</b>   | Cat                                            |
| <b>Host Species:</b> | Rabbit                                         |

**Product Details**

|                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
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| <b>Background:</b>   | IL-8 (CXCL8) is a small cytokine belonging to the chemokine CXC subfamily. There have been 17 different CXC chemokines described in mammals. The members of the CXC chemokine subfamily have been subdivided into two categories - those with a specific amino acid sequence of glutamic acid-leucine-arginine (ELR) immediately before the first cysteine of the CXC motif (ELR-positive), and those without an ELR motif (ELR-negative). ELR-positive CXC chemokines specifically induce the migration of neutrophils, and interact with chemokine receptors CXCR1 and CXCR2. IL-8 is an ELR-positive CXC chemokine. The primary function of IL-8 is to recruit neutrophils to the site of inflammation. It also activates neutrophil functions and promotes angiogenesis. Anti-IL-8 antibody is ideal for investigators involved in Cancer, Cardiovascular and Immunology research. |
| <b>Synonyms:</b>     | rabbit anti-IL-8 antibody, IL8, rabbit anti-Interleukin-8 antibody, C-X-C motif chemokine 8, CXCL8, Chemokine (C-X-C motif) ligand 8                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Host Species:</b> | Rabbit                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Clonality:</b>    | Polyclonal                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Format:</b>       | IgG                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |

**Target Details**

|                        |                     |
|------------------------|---------------------|
| <b>Gene Name:</b>      | CXCL8               |
| <b>Reactivity:</b>     | Cat                 |
| <b>Immunogen Type:</b> | Recombinant Protein |

|                            |                                                                                                                                                                                                                                                                                                                                                 |
|----------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Immunogen:</b>          | This protein A purified antibody was prepared from whole rabbit serum produced by repeated immunizations with a recombinant protein raised in yeast, corresponding to 79 amino acids of mature cat IL-8 protein.                                                                                                                                |
| <b>Purity/Specificity:</b> | This product was protein A purified from monospecific antiserum by chromatography. This antibody is specific for cat IL-8 protein. A BLAST analysis was used to suggest cross-reactivity with IL-8 from cat sources based on 100% homology with the immunizing sequence. Cross-reactivity with IL-8 from other sources has not been determined. |
| <b>Relevant Links:</b>     | <ul style="list-style-type: none"><li>• <a href="#">UniProtKB - Q9XSX5</a></li><li>• <a href="#">NCBI - NP_001009281.1</a></li><li>• <a href="#">GeneID - 493836</a></li></ul>                                                                                                                                                                  |

## Application Details

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| <b>Tested Applications:</b> | WB                                                                                                                                                                                                                                                                                                                 |
| <b>Application Note:</b>    | This protein A purified CXCL8 antibody has been tested by Western blotting and is suitable for ELISA. Specific conditions for reactivity should be optimized by the end user. Expect a band approximately 8.9 kDa in size corresponding to cat IL-8 by western blotting in the appropriate cell lysate or extract. |
| <b>Assay Dilutions:</b>     | All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.                                                                                                                                                                                                                    |
| <b>ELISA:</b>               | 1:10,000 - 1:50,000                                                                                                                                                                                                                                                                                                |
| <b>WB:</b>                  | 1:500-1:2,000                                                                                                                                                                                                                                                                                                      |

## Formulation

|                        |                                                            |
|------------------------|------------------------------------------------------------|
| <b>Physical State:</b> | Liquid (sterile filtered)                                  |
| <b>Concentration:</b>  | 1.13 mg/mL by UV absorbance at 280 nm                      |
| <b>Buffer:</b>         | 0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2 |
| <b>Preservative:</b>   | 0.01% (w/v) Sodium Azide                                   |
| <b>Stabilizer:</b>     | None                                                       |

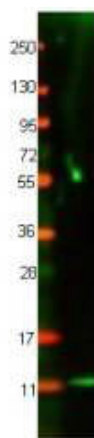
## Shipping & Handling

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|----------------------------|---------|
| <b>Shipping Condition:</b> | Dry Ice |
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**Storage Condition:** Store vial at -20° C or below prior to opening. This vial contains a relatively low volume of reagent (25 µL). To minimize loss of volume dilute 1:10 by adding 225 µL of the buffer stated above directly to the vial. Recap, mix thoroughly and briefly centrifuge to collect the volume at the bottom of the vial. Use this intermediate dilution when calculating final dilutions as recommended below. Store the vial at -20°C or below after dilution. Avoid cycles of freezing and thawing.

**Expiration:** Expiration date is three (3) months from date of receipt.

## Images



### Western Blot

Western blot using Rockland's protein-A purified anti-Cat IL-8 antibody shows detection of recombinant Cat IL-8 at 8.9 kDa, raised in yeast. Primary antibody was diluted to 1 µg/ml. 3% BSA from Rockland's BSA-30 (Bovine Serum Albumin Solution) was used for blocking. Secondary antibody 611-131-122 (Goat anti-Rabbit IgG IRDye® 800) was used at 1:20,000.

## Disclaimer

This product is for research use only and is not intended for therapeutic or diagnostic applications. Please contact a technical service representative for more information. All products of animal origin manufactured by Rockland Immunochemicals are derived from starting materials of North American origin. Collection was performed in United States Department of Agriculture (USDA) inspected facilities and all materials have been inspected and certified to be free of disease and suitable for exportation. All properties listed are typical characteristics and are not specifications. All suggestions and data are offered in good faith but without guarantee as conditions and methods of use of our products are beyond our control. All claims must be made within 30 days following the date of delivery. The prospective user must determine the suitability of our materials before adopting them on a commercial scale. Suggested uses of our products are not recommendations to use our products in violation of any patent or as a license under any patent of Rockland Immunochemicals, Inc. If you require a commercial license to use this material and do not have one, then return this material, unopened to: Rockland Inc., P.O. BOX 5199, Limerick, Pennsylvania, USA.