

Datasheet for 109-401-311S**IL-8 Antibody****Overview**

Description:	Anti-Human IL-8 (RABBIT) Antibody - 109-401-311S
Item No.:	109-401-311S
Size:	25 µL
Applications:	ELISA, WB, IHC
Reactivity:	Human
Host Species:	Rabbit

Product Details

Background:	Interleukin-8 is a chemokine produced by macrophages and other cell types such as epithelial cells. Human IL-8 (CXCL8) antibody is commonly used in many experiments focused around inflammation. Anti-IL-8 antibody is ideal for investigators involved in Cancer, Immunology and Cardiovascular research.
Synonyms:	Anti-CXCL 8, CXCL8 antibody, 310C antibody, AMCF 1 antibody, AMCF1 antibody, b ENAP antibody, Beta thromboglobulin like protein antibody, CXC chemokine ligand 8 antibody, nterleukin8 antibody, K60 antibody, LECT antibody, LUCT antibody, rabbit anti-Interleukin 8 Antibody, rabbit anti-IL-8
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	Antiserum

Target Details

Gene Name:	IL8
Reactivity:	Human
Immunogen Type:	Recombinant Protein
Immunogen:	The whole rabbit serum was prepared by repeated immunizations with recombinant human IL-8 produced in E.coli.

Purity/Specificity: Anti-IL 8 antiserum has been heated to 56°C for 30 minutes. The antiserum detects recombinant and native IL-8 present in body fluids and cell supernatants in ELISA. Although likely to be functional, this antiserum has not been evaluated in other assays, including neutralization and immunohistochemistry.

Relevant Links:

- [NCBI - P10145.1](#)
- [UniProtKB - P10145](#)
- [GeneID - 3576](#)

Application Details

Tested Applications:	ELISA, WB
Suggested Applications:	IHC (Based on references)
Application Note:	IL 8 antibody has been tested for use in ELISA and western blot. It recognizes IL-8 found in cells, supernatants and other body fluids. Reactivity in other immunoassays is unknown.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
ELISA:	1:1,000 - 1:5,000
IHC:	1:400 - 1:800
IP:	1:400 - 1:800
WB:	1:500 - 1:2,000

Formulation

Physical State:	Liquid (sterile filtered)
Concentration:	75 mg/mL by Refractometry
Buffer:	None
Preservative:	None
Stabilizer:	None

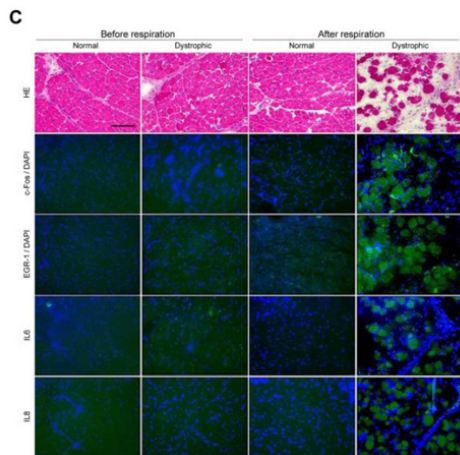
Shipping & Handling

Shipping Condition: Dry Ice

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 one (1) year from date of receipt.

Images

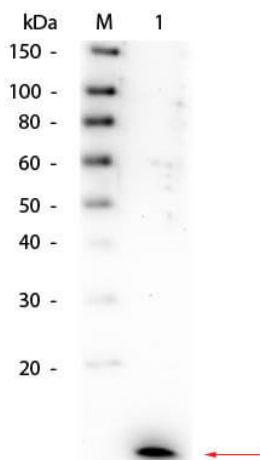


Immunofluorescence Microscopy

c-fos, egr-1, IL6, and IL8 overexpressed after diaphragm damage in neonatal dystrophic dogs.

(C). After euthanasia, diaphragm, tibialis cranialis (TC) muscles were snap-frozen in cooled isopentane. Cryostat sections 7 µm thick were cut and stained with hematoxylin and eosin (H&E) for 20 min at room temperature to visualize the cytosolic calcium. The sections were incubated with primary antibodies for 16 hrs at 4°C, then with fluorescein isothiocyanate (FITC)-labeled secondary antibodies (10 µg/ml) at room temperature for 1 h before washing in 5% BSA. The sections were mounted using Fluorescent Mounting Medium with DAPI. Primary antibodies: c-Fos, EGR1, IL6, IL8 (all green), and DAPI (blue) in the dystrophic diaphragm before respiration. Bar indicates 100 µm.

Fig 4. PMID: 23851606



Western Blot

Western Blot of Rabbit anti-Human IL-8 Antibody. Lane 1: Recombinant Human IL-8. Load: 50 ng per lane. Primary antibody: Rabbit anti-Human IL-8 Antibody 1:1,000 overnight at 4°C. Secondary antibody: HRP Goat-a-rabbit secondary antibody (p/n 611-103-122) at 1:40,000 for 30 min at RT. Block: MB-070 for 30 min at RT. Predicted/Observed size: 11 kDa, 11 kDa for Human IL-8.

References

- Nakamura, A et al. Initial pulmonary respiration causes massive diaphragm damage and hyper-CKemia in Duchenne muscular dystrophy dog. *Scientific Reports* (2013)

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.