

## ABfinity™ IL-8 Recombinant Rabbit Monoclonal Antibody

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Rev. 1.00

Catalog Number: 701232

Store at 2°C to 8°C (short-term), or -20°C (long-term)

**Clonality:** Monoclonal  
**Concentration:** 0.5 mg/mL  
**Quantity:** 100 µg  
**Volume:** 200 µL

**Host/Class:** Rabbit IgG  
**Reactivity:** Human IL-8  
**Predicted Reactivity:** Human

### Product Description

Interleukin 8 (IL-8) is a pro-inflammatory factor belonging to the C-X-C subfamily of chemokines. It functions as a chemoattractant and a potent angiogenic factor. The expression and secretion of IL-8 can be induced by diverse inflammatory stimuli in many cells, including macrophages and storage vesicles (Weibel-Palade bodies) of endothelial cells.

### Product Specifications

**Immunogen:** Recombinant protein corresponding to amino acids 28–99 of human Interleukin 8  
**Alternate Names:** CXCL8  
**Apparent MW:** 8.9 kDa  
**Gene ID:** 3576  
**Protein Accession No.:** P10145  
**Sequence Identity:** Human  
**Sequence Homology:** Mouse, Rat, Monkey, Rabbit  
**Clone/PAD:** 1H5L4  
**Lot:** See product label

### Product Applications

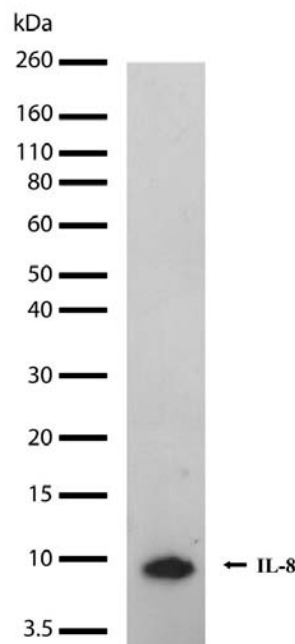
Application	Species	Test Material	Concentration
Western blotting	Human	Recombinant protein	2–3 µg/mL
Indirect ELISA	Human	Recombinant protein	1 µg/mL

### Stability

When stored as instructed, expires one year from date of receipt unless otherwise indicated on product label.

### Storage and Handling

Store the antibody at 2°C to 8°C for upto 1 month, -20°C for long storage. Avoid repeated freezing and thawing.



**Figure 1** Western blot analysis of ABfinity™ IL-8 Recombinant Rabbit Monoclonal Antibody (Cat. no. 701232).

Western blot analysis was performed on the recombinant protein and detected at ~8.9 kDa using ABfinity™ IL-8 Recombinant Rabbit Monoclonal Antibody at a concentration of 2 µg/mL. The blot was developed using enhanced chemiluminescence (ECL) method.

### Storage Buffer

Phosphate buffered saline (PBS) with 0.09% sodium azide.

**Caution:** Sodium azide is extremely toxic and may react with lead and copper plumbing to form highly explosive metal azides. Properly dispose of solutions containing sodium azide. Read the Safety Data Sheets (SDSs) and follow the handling instructions. Wear appropriate protective eyewear, clothing, and gloves. SDSs are available at [www.lifetechnologies.com/support](http://www.lifetechnologies.com/support).

**For research use only. Not for use in diagnostic procedures.**

## Product Documentation

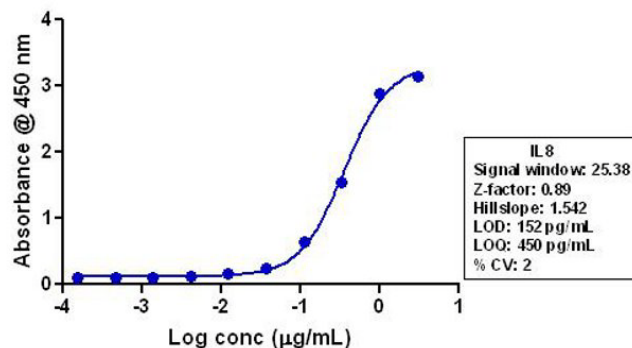
To obtain a Certificate of Analysis or SDS, visit [www.lifetechnologies.com/support](http://www.lifetechnologies.com/support).

## Related Products

Product Name	Quantity	Catalog No.
iBlot® Dry Blotting System	1 unit	IB1001
WesternBreeze® Chromogenic Kit Anti-Rabbit	1 kit	WB7105
WesternBreeze® Chemiluminescent Kit, Anti-Rabbit	1 kit	WB7106

## Limited Product Warranty

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**Figure 2** Indirect ELISA of ABfinity™ IL-8 Recombinant Rabbit Monoclonal Antibody (Cat. no. 701232).

Indirect ELISA was performed using various dilutions of ABfinity™ IL-8 Recombinant Rabbit Monoclonal Antibody to detect IL-8 recombinant protein coated onto the plate. A non-linear regression analysis was performed (4 PL), and LOD and LOQ for the antibody was determined.

## Explanation of symbols

Symbol	Description	Symbol	Description	Symbol	Description
	Manufacturer		Catalog number		Batch code
	Use by		Temperature limitation		
	Consult instructions for use		Caution, consult accompanying documents		

## Limited Use Label License No. 327: Recombinant Antibody Technology

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