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<b>Catalog Number:</b>	GT15156	<b>Host:</b>	Goat
<b>Product Type:</b>	Affinity purified	<b>Species Reactivity:</b>	Human
<b>Immunogen Sequence:</b>	<i>E. coli</i> -derived, recombinant human CXCL8 (rhCXCL8).	<b>Format:</b>	Liquid 1mg/ml Solution in phosphate-buffered saline (PBS).
<b>Applications:</b>	Immunohistochemistry: 0.5 - 5 µg/mL Western Blot: 0.1 – 0.2 µg/mL ELISA: 0.5 - 1.0 µg/mL		

Dilutions listed as a recommendation. Optimal dilution should be determined by investigator.

**Storage:** Antibody can be aliquotted and stored frozen at -20° C to -70° C in a manual defrost freezer for six months without detectable loss of activity. The antibody can be stored at 2° - 8° C for 1 month without detectable loss of activity. *Avoid repeated freeze-thaw cycles.*

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### Application Notes

#### Specificity

This antibody has been selected for its ability to neutralize the biological activity of natural and rhCXCL8. It will not neutralize the biological activity of rhGRO $\alpha$ . In direct ELISAs, this antibody shows less than 1% cross-reactivity with rcaIL-8, rfelL-8 and rIL-8.

#### Direct ELISA

This antibody can be used at 0.5 - 1.0 µg/mL with the appropriate secondary reagents to detect human CXCL8. The detection limit for rhCXCL8 is approximately 0.2 ng/well.

#### Western blot

This antibody can be used at 0.1 - 0.2 µg/mL with the appropriate secondary reagents to detect human CXCL8. The detection limit for rhCXCL8 is approximately 5 ng/lane under non-reducing and reducing conditions.

#### Immunohistochemistry

This antibody can be used at 0.5 - 5 µg/mL with the appropriate secondary reagents to detect human CXCL8 in individual cells or tissue sections.

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