



# ANOGEN - A Division of YES Biotech Laboratories Ltd.

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## Chicken Anti-Human IL-8 Polyclonal Antibody Datasheet

Product Name: pAb Chicken anti-human IL-8 (IgY fraction)      Catalogue No.: AI60001      Quantity: 1.0 mg/vial

<b>Description:</b>	Chicken anti-human Interleukin-8 polyclonal antibody (IgY fraction).	<b>Background:</b>	Interleukin 8 (IL-8), like IL-6, is secreted by macrophages and a variety of cells that express Toll-like receptors in response to the stimulation of pathogens. IL-8's primary function is to recruit neutrophils and other target cells through chemotaxis to the infected site to eliminate pathogens. IL-8 causes increased intracellular Ca <sup>2+</sup> , release of reactive oxygen species, and other physiological changes required for migration and phagocytosis. IL-8 is also known to promote angiogenesis.
<b>Product Type:</b>	Primary antibody	<b>Applications</b>	<b>ELISA:</b> The antibody when used at 2.6ng/mL can detect recombinant human IL-8 coated on ELISA plate. <b>Neutralization:</b> Total chicken IgY fraction at the concentration of 50 µg/mL showed 60% inhibition of 10ng/mL IL-8 induced IL8RB/293 cell migration <b>Western Blot:</b> The antibody, when used at concentration of 0.26 µg/mL will allow visualization of recombinant human IL-8.
<b>Target Protein:</b>	Human IL-8	<b>References:</b>	If research is published using this product, please inform Anogen in order to cite the reference on this datasheet. Anogen will provide one unit of product in the same category as gratitude.
<b>Immunogen:</b>	Highly purified recombinant human IL-8		
<b>Source:</b>	Chicken		
<b>Specificity:</b>	This antibody recognizes human Interleukin-8 (IL-8)		
<b>Species Reactivity:</b>	Human, others not tested		
<b>Cross-reactivity:</b>	This polyclonal antibody exhibits no detectable cross-reactivity with human serum albumin, bovine serum albumin, and other cytokines tested such as IL-1β, IL-16, TNF-α, GM-CSF, MCSF, bFGF and MIP-1α.		
<b>Formulation:</b>	Lyophilized from a solution in 0.01M PBS, pH 7.0		
<b>Reconstitution:</b>	Double distilled water is recommended to adjust the final concentration to 1.00mg/mL		
<b>Storage:</b>	Store at -20°C		
<b>Research Area:</b>	Cytokine, interleukin and chemotaxis		

This product is for LABORATORY RESEARCH USE and further manufacture ONLY, and cannot be administered to human and animals for use in diagnostic and therapeutic procedures.

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