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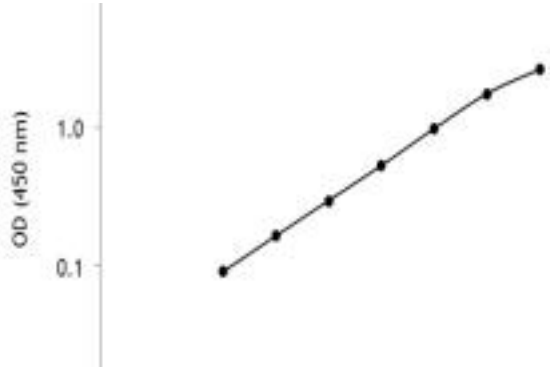
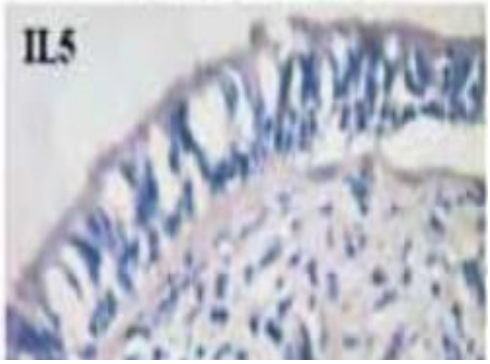
IL-5
Rat Anti-Human Interleukin-5 (Clone QS-5) mAb

Catalog No.	CMI021	**Quantity:**	0.5 mg
Alternate Names:	IL-5, Eosinophil differentiation factor, EDF, T-cell replacing factor, TRF, B-cell differentiation factor I		
Description:	The monoclonal antibody recognizes Interleukin-5 (IL-5), a cytokine that acts as a growth and differentiation factor for both B-cells and eosinophils. IL-5 has a major role in eosinopoiesis, eosinophil maturation and activation. The elevated production of IL-5 is reported to be related to asthma or hypereosinophilic syndromes. The receptor of IL-5 is a heterodimer, whose beta subunit is shared with the receptors for Interleukin-3 (IL-3) and Colony Stimulating Factor 2 (CSF2/GM-CSF).		
UniProt ID:	P05113		
Source:	Produced *in vitro* using serum free medium.		
Specificity:	Binds with high efficiency to native and recombinant Human IL-5		
Isotype:	Rat IgG_1		
Clone:	QS-5		
Formulation:	Lyophilized from sterile filtered PBS containing125 mM Trehalose		
Purification:	Ion exchange chromatography		
Reconstitution:	**Centrifuge vial briefly before opening.** Reconstitute with 0.5 ml sterile distilled water, containing 0.02% sodium azide to prevent bacterial growth (recommended).		
Cross-Reactivity:	Reacts with rhesus macaque IL-5		
Applications:	**ELISA: capture antibody** Intracellular staining, Western Blot, *In vitro* neutralization		
Application Notes:	**ELISA:** use **CMI040** as the detection antibody		
Storage & Stability:	Store for up to 1 year at 2-8°C. After reconstitution, the contents can be safely stored at 2 -8°C for 1 month or for 1 year in working aliquots at -20°C to -80°C. **Avoid repeated freeze-thaw cycles.**		

Human IL-5 ELISA with Clone QS-5 as the Capture Ab



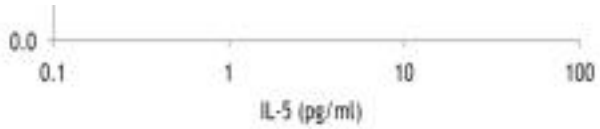
IL-5 is detected with mAb QS-5 in subepithelium of patient with chronic rhinosinusitis



Cell Sciences®
65 Parker Street
Unit 11
Newburyport, MA 01950

Toll Free: 888-769-1246
Phone: 978-572-1070
Fax: 978-992-0298

E-mail: info@cellsciences.com
Website: www.cellsciences.com



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