SunLong Biotech Co.,LTD
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[Primary Antibody]

Rabbit Anti-CCL11 antibody

Catalog Number: SL1601R

FOR RESEARCH USE ONLY

[DATASHEET]

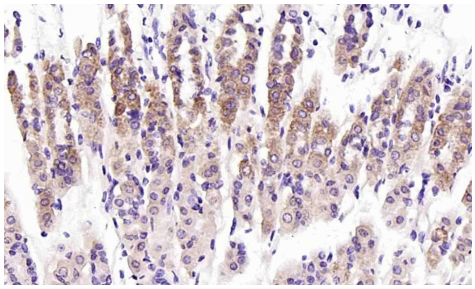
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Target:	CCL11
Immunogen:	KLH conjugated synthetic peptide derived from human Eotaxin 1: 24-97/97
Purification:	affinity purified by Protein A
Concentration:	1mg/ml
Storage:	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4℃. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.
Applications:	IHC-P=1:100-500 IHC-F=1:100-500 IF=1:100-500 （Paraffin sections need antigen repair） not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Reactivity:	Mouse(predicted:Human,Rat)
Predicted MW.:	8kDa
Subcellular Location:	cytoplasmic Secretory protein
Background:	This gene is one of several Cys-Cys (CC) cytokine genes clustered on the q-arm of chromosome 17. Cytokines are a family of secreted proteins involved in immunoregulatory and inflammatory processes. The CC cytokines are proteins characterized by two adjacent cysteines. The cytokine encoded by this gene displays chemotactic activity for eosinophils, but not mononuclear cells or neutrophils. This eosinophil specific chemokine assumed to be involved in eosinophilic inflammatory diseases such as atopic dermatitis, allergic rhinitis, asthma and parasitic infections. [provided by RefSeq, Jul 2008]. **Function:** In response to the presence of allergens, this protein directly promotes the accumulation of eosinophils, a prominent feature of allergic inflammatory reactions. Binds to CCR3. **Subcellular Location:** Secreted. **Post-translational modifications:** O-linked glycan consists of a Gal-GalNAc

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

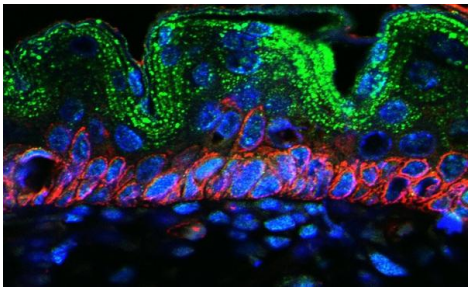
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	disaccharide which is mofified with up to 2 sialic acid residues. **Similarity:** Belongs to the intercrine beta (chemokine CC) family. **Database links:** **Entrez Gene:** 6356 Human Omim: 601156 Human **SwissProt:** P51671 Human **Unigene:** 54460 Human Eotaxin-1Eotaxin is involved in the differentiation, maturation, endothelial adhesion and rolling, and chemotaxis of eosinophils in allergic inflammation，It is involved in infiltration, activation, and release of toxic proteins， It is involved in the process of inflammatory mediators.

[VALIDATION IMAGES]



Paraformaldehyde-fixed, paraffin embedded (mouse stomach); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Incubation with (CCL11) Polyclonal Antibody, Unconjugated (SL1601R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructionsand DAB staining.



Images kindly provided by Dr. Denny Cottle from the publication, Fetal inhibition of inflammation improves disease phenotypes in Harlequin Ichthyosis.Formalin-fixed and paraffin embedded mouse skin probed with Rabbit Anti- CCL11/Eotaxin 1 Polyclonal Antibody (SL1601R) at 1:100 for two hours at room temperature (green channel).

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