



## Rabbit Anti-Allergin-1 antibody

SL7348R

<b>Product Name:</b>	Allergin-1
<b>Chinese Name:</b>	肥大The cell membrane抑制性受体Allergin1抗体
<b>Alias:</b>	C17orf60; MILR1 HUMAN; Chromosome 17 open reading frame 60.
<b>Organism Species:</b>	Rabbit
<b>Clonality:</b>	Polyclonal
<b>React Species:</b>	Human,
<b>Applications:</b>	ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
<b>Molecular weight:</b>	36kDa
<b>Cellular localization:</b>	The cell membrane
<b>Form:</b>	Lyophilized or Liquid
<b>Concentration:</b>	1mg/ml
<b>immunogen:</b>	KLH conjugated synthetic peptide derived from human Allergin-1:61-160/343<Extracellular>
<b>Lsotype:</b>	IgG
<b>Purification:</b>	affinity purified by Protein A
<b>Storage Buffer:</b>	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
<b>Storage:</b>	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
<b>PubMed:</b>	<a href="#">PubMed</a>
<b>Product Detail:</b>	As a major event in type I allergic reaction,degranulation of mast cells is triggered by the interaction between specific IgEs and high affinity IgE receptors (FcεR1s) on mast cell membrane,and is followed by the release of a battery of inflammatory mediators,such as histamine,leukotrienes and arachidonic acid,and these inflammatory mediators in turn induce a series of allergic symptoms.Recently,Allergin-1 has been found to be an immunoglobulin-like receptor preferentially expressed on mast cells.The

crosslinking of Allergen-1 to FcεR1s on mast cells may inhibit the signal transduction from FcεR1s to intracellular immunoreceptor tyrosine-based inhibitory motif (ITIM), generate ITIM inhibitory signals, which then participate in the regulation of mast cell degranulation, and finally block the initiation of allergic inflammation.

**Function:**

Immunoglobulin-like receptor which plays an inhibitory role in degranulation of mast cells. Negatively regulates IgE-mediated mast cell activation and suppresses the type I immediate hypersensitivity reaction.

**Subcellular Location:**

Cell membrane.

**Tissue Specificity:**

Expressed in myeloid cells (dendritic cells, macrophages and neutrophils, weak expression on B-cells but not in T-cells or natural killer cells), peripheral blood basophils and mast cells (at protein level).

**Post-translational modifications:**

N-glycosylated.

**Similarity:**

Contains 2 Ig-like C2-type (immunoglobulin-like) domains.

**SWISS:**

Q7Z6M3

**Gene ID:**

284021

**Database links:**

[Entrez Gene: 284021](#)Human

[SwissProt: Q7Z6M3](#)Human

[Unigene: 631749](#)Human

**Important Note:**

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