

**CYSLTR1 / CYSLT1 Antibody (aa131-180)**  
**Rabbit Polyclonal Antibody**  
**Catalog # ALS16550****Specification**

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**CYSLTR1 / CYSLT1 Antibody (aa131-180) - Product Information**

|                   |                        |
|-------------------|------------------------|
| Application       | IHC, IF, WB            |
| Primary Accession | <a href="#">O9Y271</a> |
| Other Accession   | <a href="#">10800</a>  |
| Reactivity        | Human                  |
| Host              | Rabbit                 |
| Clonality         | Polyclonal             |
| Isotype           | IgG                    |
| Calculated MW     | 38541                  |

**CYSLTR1 / CYSLT1 Antibody (aa131-180) - Additional Information****Gene ID** 10800**Other Names**

CYSLTR1, Cys-LT1 receptor, CysLT(1), Cys-leukotriene-1 receptor, CYSLT1, CYSLT1R, CYSLTR, HG55, LTD4 receptor, HMTMF81, Cysteinyl Lt1 receptor

**Target/Specificity**

CLTR1 Antibody detects endogenous levels of total CLTR1 protein.

**Reconstitution & Storage**PBS (without Mg<sup>2+</sup>, Ca<sup>2+</sup>), pH 7.4, 150 mM sodium chloride, 0.02% sodium azide, 50% glycerol.  
Store at -20°C for up to one year.**Precautions**

CYSLTR1 / CYSLT1 Antibody (aa131-180) is for research use only and not for use in diagnostic or therapeutic procedures.

**CYSLTR1 / CYSLT1 Antibody (aa131-180) - Protein Information****Name** CYSLTR1**Synonyms** CYSLT1**Function**

Receptor for cysteinyl leukotrienes mediating bronchoconstriction of individuals with and without asthma. Stimulation by LTD4 results in the contraction and proliferation of smooth muscle, edema, eosinophil migration and damage to the mucus layer in the lung. This response is mediated via a G-protein that activates a phosphatidylinositol-calcium second messenger system. The rank order of affinities for the leukotrienes is LTD4 &gt;&gt; LTE4 = LTC4 &gt;&gt; LTB4.

**Cellular Location**

Cell membrane; Multi-pass membrane protein.

**Tissue Location**

Widely expressed, with highest levels in spleen and peripheral blood leukocytes. Lower expression in several tissues, such as lung (mostly in smooth muscle bundles and alveolar macrophages), placenta, small intestine, pancreas, colon and heart

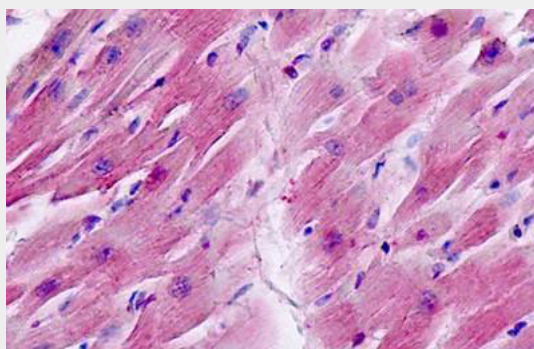
**Volume**

50  $\mu$ l

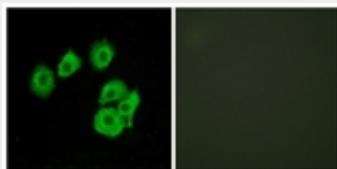
**CYSLTR1 / CYSLT1 Antibody (aa131-180) - Protocols**

Provided below are standard protocols that you may find useful for product applications.

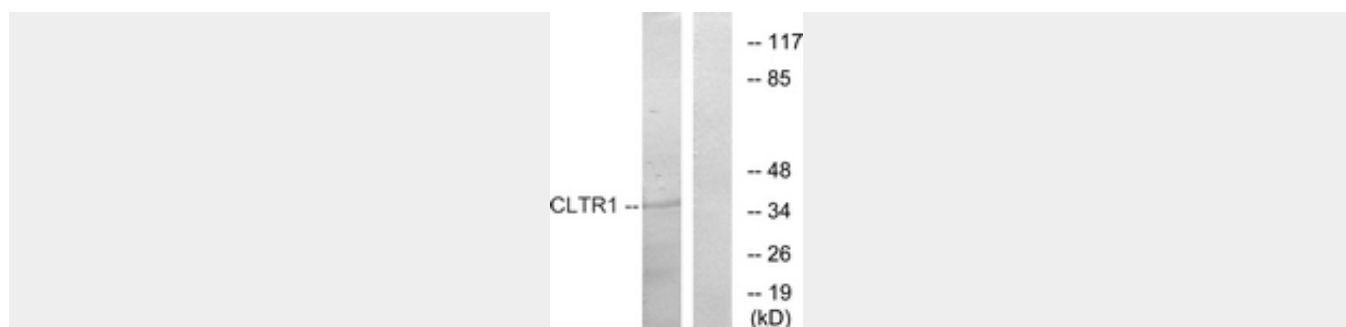
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

**CYSLTR1 / CYSLT1 Antibody (aa131-180) - Images**

Anti-CYSLTR1 / CYSLT1 antibody IHC staining of human heart.



Immunofluorescence of HUVEC cells, using CLTR1 Antibody.



Western blot of extracts from COS7 cells, using CLTR1 Antibody.

#### **CYSLTR1 / CYSLT1 Antibody (aa131-180) - Background**

Receptor for cysteinyl leukotrienes mediating bronchoconstriction of individuals with and without asthma. Stimulation by LTD4 results in the contraction and proliferation of smooth muscle, edema, eosinophil migration and damage to the mucus layer in the lung. This response is mediated via a G-protein that activates a phosphatidylinositol-calcium second messenger system. The rank order of affinities for the leukotrienes is LTD4 >> LTE4 = LTC4 >> LTB4.

#### **CYSLTR1 / CYSLT1 Antibody (aa131-180) - References**

Lynch K.R., et al. Nature 399:789-793(1999).  
Sarau H.M., et al. Mol. Pharmacol. 56:657-663(1999).  
Warren C.N., et al. Submitted (FEB-2003) to the EMBL/GenBank/DDBJ databases.  
Ota T., et al. Nat. Genet. 36:40-45(2004).  
Ross M.T., et al. Nature 434:325-337(2005).