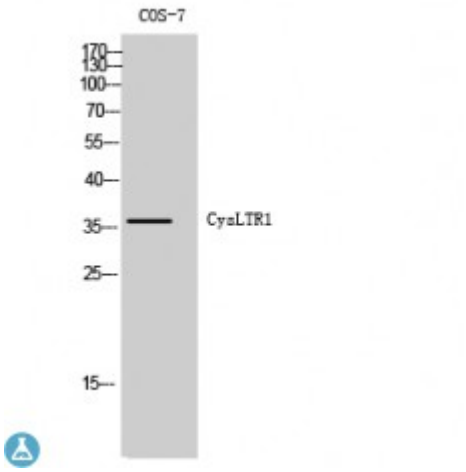
Anti-CysLTR1 antibody



Description	Rabbit polyclonal to CysLTR1.

Model	STJ92609
Host	Rabbit
Reactivity	Human, Simian
Applications	ELISA, IF, IHC, WB
Immunogen	Synthesized peptide derived from human CysLTR1
Immunogen Region	100-180 aa, Internal
Gene ID	10800
Gene Symbol	CYSLTR1
Dilution range	WB 1:500-1:2000IHC 1:100-1:300IF 1:200-1:1000ELISA 1:10000
Specificity	CysLTR1 Polyclonal Antibody detects endogenous levels of CysLTR1 protein.
Tissue Specificity	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.
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Note	For Research Use Only (RUO).
Protein Name	Cysteinyl leukotriene receptor 1 CysLTR1 Cysteinyl leukotriene D4 receptor LTD4 receptor G-protein coupled receptor HG55 HMTMF81

Molecular Weight	36 kDa
Clonality	Polyclonal
Conjugation	Unconjugated
Isotype	IgG
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Concentration	1 mg/ml
Storage Instruction	Store at -20°C, and avoid repeat freeze-thaw cycles.
Database Links	HGNC:17451OMIM:300201
Alternative Names	Cysteinyl leukotriene receptor 1 CysLTR1 Cysteinyl leukotriene D4 receptor LTD4 receptor G-protein coupled receptor HG55 HMTMF81
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 >> LTE4 = LTC4 >> LTB4.
Cellular Localization	Cell membrane. Multi-pass membrane protein.