



# Anti-CYSLTR1 monoclonal antibody (DCABH-11207)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

<b>Antigen Description</b>	The cysteinyl leukotrienes LTC <sub>4</sub> , LTD <sub>4</sub> , and LTE <sub>4</sub> are important mediators of human bronchial asthma. Pharmacologic studies have determined that cysteinyl leukotrienes activate at least 2 receptors, the protein encoded by this gene and CYSLTR2. This encoded receptor is a member of the superfamily of G protein-coupled receptors. Activation of this receptor by LTD <sub>4</sub> results in contraction and proliferation of smooth muscle, oedema, eosinophil migration and damage to the mucus layer in the lung.
<b>Immunogen</b>	A synthetic peptide of human CYSLTR1 is used for rabbit immunization.
<b>Isotype</b>	IgG
<b>Source/Host</b>	Rabbit
<b>Species Reactivity</b>	Human
<b>Purification</b>	Protein A
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	Western Blot (Transfected lysate); ELISA
<b>Buffer</b>	In 1x PBS, pH 7.4
<b>Preservative</b>	None
<b>Storage</b>	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

## GENE INFORMATION

<b>Gene Name</b>	<a href="#">CYSLTR1 cysteinyl leukotriene receptor 1 [ Homo sapiens ]</a>
<b>Official Symbol</b>	CYSLTR1
<b>Synonyms</b>	CYSLTR1; cysteinyl leukotriene receptor 1; CysLT(1); CysLT1; CYSLT1R; LTD4 receptor; G-protein coupled receptor HG55; cysteinyl leukotriene D4 receptor; HG55; CYSLT1; CYSLTR; HMTMF81; MGC46139;
<b>Entrez Gene ID</b>	<a href="#">10800</a>
<b>Protein Refseq</b>	<a href="#">NP_006630</a>
<b>UniProt ID</b>	<a href="#">Q38Q88</a>
<b>Chromosome Location</b>	Xq13-q21
<b>Pathway</b>	Calcium signaling pathway, organism-specific biosystem; Calcium signaling pathway, conserved biosystem; Class A/1 (Rhodopsin-like receptors), organism-specific biosystem; Eicosanoid ligand-binding receptors, organism-specific biosystem; Endothelins, organism-specific biosystem; G alpha (q) signalling events, organism-specific biosystem; GPCR downstream signaling, organism-specific biosystem;
<b>Function</b>	leukotriene receptor activity; receptor activity; signal transducer activity;