

Monoclonal Antibody to Leukotriene C4 / E4 / D4 - Purified

Alternate names:	DM3121
Catalog No.:	AM00313PU-N
Quantity:	0.1 mg
Concentration:	0.2 mg/ml
Background:	Leukotrienes are newly formed mediators derived from arachidonic acid that is released from membrane phospholipids upon stimulation of phospholipases. As a result of their various paracrine effects, these mediators-among which the most important are leukotrienes B4, C4, D4, and E4 (LTB4, LTC4, LTD4, and LTE4) are likely to play a central role in bronchial obstruction in asthma. LTC4 and LTD4 act on all three effectors of bronchial obstruction, namely bronchial smooth muscle, vessels, and mucus secretory cells, whereas LTB4 is a potent chemotactic factor recruiting neutrophils, and to a lesser extent, eosinophils. Increased production of leukotrienes implies that they are directly involved in asthma.
Host / Isotype:	Rat / IgG1
Recommended Isotype Controls:	SM25P, SM25PX
Clone:	6E7
Immunogen:	Leukotriene C4
Format:	State: Liquid ascites fluid Purification: Protein G chromatography Buffer System: 10 mM PBS, pH 7.4, with 0.2 % BSA and 0.09 % sodium azide.
Applications:	ELISA (for coating, order Ab without BSA). Radioimmunoassay (RIA). Recommended positive control: Breast Carcinoma. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Specificity:	This antibody detects Leukotriene C4 / E4 / D4.
Storage:	Store the antibody at 2 - 8 °C for one month or in aliquots at -20 °C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.
General Readings:	1. Munoz N M, et al. (1999) Am J Physiol, 277(4Pt1):L802-810 2. Maclouf J, et al. (1996) Haemostasis Suppl, 4:28-36. 3. Shimizu T et al. (1990) Adv Prostaglandin Thromboxane Leukot Res, 20:46-53.