

Product datasheet for **AM05877LE-N**

Ltbr Rat Monoclonal Antibody [Clone ID: 5G11b]

Product data:

Product Type:	Primary Antibodies
Clone Name:	5G11b
Applications:	FC, FN
Recommended Dilution:	Flow cytometry: 1/50 - 1/100. Functional assays.
Reactivity:	Mouse
Host:	Rat
Isotype:	IgG2a
Clonality:	Monoclonal
Immunogen:	Recombinant extracellular domain of LT beta R
Specificity:	This antibody recognises lymphotoxin-beta receptor (LT beta R), a member of the tumour necrosis factor family. LT beta R is primarily expressed on stromal cells and fibroblasts and at lower levels on myeloid cell lines. Clone 5G11b specifically recognises surface expressed LT beta R. The clone is reported to be agonistic with respect to NF Kappa B activation, MIP-2 induction and IL-6 release (2). This product is routinely tested by flow cytometry on mouse WEH1 cells.
Formulation:	Phosphate buffered saline pH 7.4, azide free State: Low Endotoxin State: Liquid Ig fraction
Concentration:	lot specific
Purification:	Affinity chromatography on Protein G
Conjugation:	Unconjugated
Storage:	Store the antibody (in aliquots) at -20 °C. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	lymphotoxin B receptor
Database Link:	Entrez Gene 17000 Mouse P50284



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Background:

The protein encoded by this gene is a member of the tumor necrosis factor (TNF) family of receptors. It is expressed on the surface of most cell types, including cells of epithelial and myeloid lineages, but not on T and B lymphocytes. The protein specifically binds the lymphotoxin membrane form (a complex of lymphotoxin alpha and lymphotoxin beta). The encoded protein and its ligand play a role in the development and organization of lymphoid tissue and transformed cells. Activation of the encoded protein can trigger apoptosis.

Synonyms:

Tumor necrosis factor receptor 3, TNF-R3, Tumor necrosis factor C receptor, TNFCR, TNFRSF3, D12S370, Lymphotoxin-beta receptor