

LT β R (5G11): sc-52696

BACKGROUND

Tumor necrosis factor (TNF) is a pleiotropic cytokine whose function is mediated by two distinct cell surface receptors, designated TNF-R1 and TNF-R2, which are expressed on most cell types. TNF function is primarily mediated through TNF-R1 signaling. Both receptors belong to the growing TNF Receptor superfamily which includes FAS antigen, CD40 and Lymphotoxin β Receptor (LT β R). LT β R is activated upon association with the heterotrimeric Lymphotoxin LT- α_1/β_2 , resulting in NF κ B activation and the initiation of apoptosis. LT β R is expressed on the surface of most cell types, excluding T and B lymphocytes, and is involved in lymphoid organ development.

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: Ltbr (mouse) mapping to 6 F3.

SOURCE

LT β R (5G11) is a rat monoclonal antibody raised against the extracellular domain of LT β R of mouse origin.

PRODUCT

Each vial contains 100 μ g IgG_{2a} in 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin.

STORAGE

Store at 4° C, ****DO NOT FREEZE****. Stable for one year from the date of shipment. Non-hazardous. No MSDS required.

APPLICATIONS

LT β R (5G11) is recommended for detection of LT β R of mouse origin by flow cytometry (1 μ g per 1 x 10⁶ cells).

Suitable for use as control antibody for LT β R siRNA (m): sc-40242, LT β R shRNA Plasmid (m): sc-40242-SH and LT β R shRNA (m) Lentiviral Particles: sc-40242-V.

Molecular Weight of LT β R: 55-60 kDa.

RESEARCH USE

For research use only, not for use in diagnostic procedures.

PROTOCOLS

See our web site at www.scbt.com for detailed protocols and support products.