

Ox40L (3H1846): sc-71771

BACKGROUND

The Ox40 ligand, Ox40L (also designated gp34), is a type II membrane protein due to the absence of a signal peptide. Ox40L, a member of the tumor necrosis factor (TNF) superfamily, is a costimulatory molecule involved in dendritic cell:T cell interactions, T cell homing and B cell activation. Engagement of Ox40L with its receptor, Ox40, delivers a strong costimulatory signal to effector T cells. Ox40L is found preferentially on activated B cells and its receptor, Ox40, is a member of the tumor necrosis factor receptor (TNFR) family that is expressed on activated T cells. Ox40L plays a critical role in antigen-specific T cell responses *in vivo* and in both the priming and effector phases of T cell activation when expressed on antigen-presenting cells (APCs).

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: *Tnfsf4* (mouse) mapping to 1 H2.1.

SOURCE

Ox40L (3H1846) is a rat monoclonal antibody raised against rat CD4 and mouse CD134 ligand chimaeric protein.

PRODUCT

Each vial contains 200 µg IgG₁ in 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin.

Ox40L (3H1846) is available conjugated to either phycoerythrin (sc-71771 PE) or fluorescein (sc-71771 FITC), 200 µg/ml, for IF, IHC(P) and FCM.

APPLICATIONS

Ox40L (3H1846) is recommended for detection of Ox40L of mouse origin by flow cytometry (1 µg per 1 x 10⁶ cells).

Suitable for use as control antibody for Ox40L siRNA (m): sc-42825, Ox40L shRNA Plasmid (m): sc-42825-SH and Ox40L shRNA (m) Lentiviral Particles: sc-42825-V.

Molecular Weight of Ox40L: 22 kDa.

STORAGE

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

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.