Data Sheet (Cat.No.TMAY-03759P)

TargetMol

Anti-CD40 Antibody-PE (1W671)

Product Details

Ig Type:	Mouse IgG1
Reactivity:	Rat
Conjugation:	PE
Clone:	1W671
Purification:	Protein A

Applications

Verified Activity:	Flow cytometric analysis of Rat CD40 expression on rat splenocytes. SD splenocytes were stained with PE-conjugated anti-Rat CD40 and FITC conjugated anti-Rat CD3 (BD Pharmingen™ Cat. No. 557354). The dot plots were derived from events with the forward and side light-scatter characteristics of intact cells.
Application:	FCM
Recommended	5 µl/Test, 0.1 mg/ml

Properties

Stability & Storage:	Store at 2°C-8°C for 12 months, do not freeze. Keep away from direct sunlight. Sodium azide is toxic to cells and should be disposed of properly. Flush with large volumes of water during disposal.
Shipping:	Shipping with blue ice.

Antigen Details

Immunogen:	Recombinant Protein: Rat CD40 / TNFRSF5 protein (TMPY-03203)
Antigen Species:	Rat
Synonyms:	HIGM1;IMD3;AI326936;TRAP;CD40 molecule, TNF receptor superfamily member 5;p50;Bp50; GP39;T-BAM;IGM;Tnfrsf5
Biology Area:	Cancer Drug Targets

Research Background

CD40, also known as TNFRSF5, is a member of the TNF receptor superfamily which are single transmembrane-spanning glycoproteins. CD40 protein plays an essential role in mediating a broad variety of immune and inflammatory responses including T cell-dependent immunoglobulin class switching, memory B cell development, and germinal center formation. CD40 protein is expressed in B cells, dendritic cells, macrophages, endothelial cells, and several tumor cell lines. Defects in CD40 result in hyper-IgM immunodeficiency type 3 (HIGM3). In addition, CD40/CD40L interaction is found to be necessary for amyloid-beta-induced microglial activation, and thus is thought to be an early event in Alzheimer disease pathogenesis.Cancer ImmunotherapyCo-stimulatory Immune Checkpoint TargetsImmune CheckpointImmune Checkpoint Detection: AntibodiesImmune Checkpoint Detection: ELISA AntibodiesImmune Checkpoint Detection: FCM AntibodiesImmune Checkpoint Detection: ICC AntibodiesImmune Checkpoint Detection: IP AntibodiesImmune Checkpoint Detection: WB AntibodiesImmune Checkpoint ProteinsImmune Checkpoint TargetsImmunotherapyTargeted Therapy

Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481