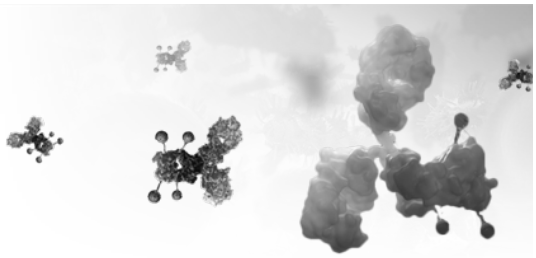

Rabbit Anti-Rhesus CD40 Polyclonal Antibody (CABT-NS1775)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Specificity	Rhesus CD40/TNFRSF5
Target	CD40
Immunogen	Recombinant Rhesus CD40/TNFRSF5 protein
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Rhesus
Conjugate	Unconjugated
Applications	ELISA Recommended dilution: ELISA: 0.5-1.0 µg/mL. This antibody can be used at 0.5-1.0 µg/mL with the appropriate secondary reagents to detect Rhesus CD40/TNFRSF5. The detection limit for Rhesus CD40/TNFRSF5 is 0.039 ng/well. Each laboratory should determine an optimum working titer for use in its particular application. Other applications have not been tested but use in such assays should not necessarily be excluded.
Format	Liquid, Purified
Size	50 µl, 100 µl, 200 µl
Buffer	0.2 µm filtered solution in PBS
Preservative	None

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Storage	This antibody can be stored at 2°C-8°C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20°C to -80°C. Preservative-Free.Sodium azide is recommended to avoid contamination (final concentration 0.05%-0.1%). It is toxic to cells and should be disposed of properly. Avoid repeated freeze-thaw cycles.

BACKGROUND

Introduction	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.
Keywords	CD40; CD40 molecule, TNF receptor superfamily member 5; p50; Bp50; CDW40; TNFRSF5; tumor necrosis factor receptor superfamily member 5; CD40L receptor; CD40 type II isoform; B cell-associated molecule

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