

CD40 Protein, Rhesus Macaque (HEK293, His)

Cat. No.:	HY-P75408
Synonyms:	Tumor Necrosis Factor Receptor Superfamily member 5; Bp50; CD40L Receptor; CDw40; TNFRSF5
Species:	Rhesus Macaque
Source:	HEK293
Accession:	NP_001252791.1 (E21-R193)
Gene ID:	707749
Molecular Weight:	Approximately 31.67 kDa

PROPERTIES

AA Sequence	<pre> E P P T A C R E K Q Y L I N S Q C C S L C Q P G Q K L V S D C T E F T E T E C L P C S E S E F L D T W N R E T R C H Q H K Y C D P N L G L R V Q Q K G T S E T D T I C T C E E G L H C M S E S C E S C V P H R S C L P G F G V K Q I A T G V S D T I C E P C P V G F F S N V S S A F E K C R P W T S C E T K D L V V Q Q A G T N K T D V V C G P Q D R Q R </pre>
Biological Activity	Immobilized Human CD40 Ligand at 2 µg/mL (100 µL/well) can bind Biotinylated Rhesus macaque CD40. The ED ₅₀ for this effect is 6.431 ng/mL, corresponding to a specific activity is 1.55×10 ⁵ Unit/mg.
Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.2 µm filtered solution of 20 mM PB, 150 mM NaCl, pH 7.4.
Endotoxin Level	<1 EU/µg, determined by LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 µg/mL in ddH ₂ O.
Storage & Stability	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
Shipping	Room temperature in continental US; may vary elsewhere.

DESCRIPTION

Background	CD40, a crucial member of the TNFR superfamily, is characterized by the absence of conserved residue(s) necessary for the propagation of feature annotation. This distinctive feature suggests unique structural attributes in CD40, potentially influencing its functional interactions within the TNFR superfamily. The lack of these conserved residues underscores the specific nature of CD40 and emphasizes the importance of further exploration to unravel its distinct roles and regulatory mechanisms in cellular signaling pathways.
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Caution: Product has not been fully validated for medical applications. For research use only.

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