

CD40L recombinant antibody

Anti-CD40L [hu5c8 (Ruplizumab)]

CATALOG # AAA71953	REACTIVITY Human	APPLICATIONS Western Blot, Flow Cytometry, Functional Assay
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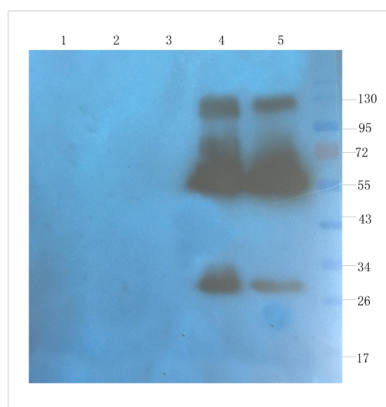
PRODUCT SYNONYMS

CD40L; Anti-CD40L [hu5c8 (Ruplizumab)]; CD40 ligand; tumour necrosis factor ligand superfamily member 5; TNFSF5; CD154; tumour necrosis factor related activation protein; TRAP; CD40L recombinant antibody

PRODUCT SPECIFICATIONS

Reactivity	Human
Isotype	Human IgG1, kappa
Clone Number	hu5c8 (Ruplizumab)
Specificity	The antibody binds to CD40L with an IC50 of 0.845 ug/ml.
Purity/Purification	Protein A Affinity Purified
Sequence Length	261
Applicable Applications for CD40L recombinant antibody	WB (Western Blot), FCM/FACS (Flow Cytometry), Blocking
Buffer Composition	PBS only with 0.02% Proclin 300.
Immunogen	Human CD40L
Chimeric Use Statement	NOT FOR THERAPEUTIC USE - This is a research-grade biosimilar.
Note on publication	Describes the role of CD40-CD40L interaction in immune responses and pathologies. Also describes the generation of humanized monoclonal antibodies against CD40L and the use of a crystal, structure to determine its binding .
Preparation and Storage	Store at 4 degree C for up to 3 months. For longer storage, aliquot and store at -20 degree C.

IMAGES



WB (Western Blot)

Western Blot using anti-CD40L antibody rat muscle (lane 2), rat bladder (lane 3), human breast tumour (lane 4) and human thyroid tumour (lane 5) samples were resolved on a 10% SDS PAGE gel and blots probed with as well as bands corresponding to dimers and other multimers.

ADDITIONAL INFORMATION

Related Product Information for CD40L recombinant antibody	Recombinant monoclonal antibody to CD40L. Manufactured using a Recombinant Platform with variable regions (i.e. specificity) from the hybridoma hu5c8 (Ruplizumab). NOT FOR THERAPEUTIC USE - This is a research-grade biosimilar.
Product Categories/Family for CD40L recombinant antibody	Inflammatory diseases; Immunology; Biosimilar
References	Karpusas et al. Structure of CD40 Ligand in Complex with the Fab Fragment of a Neutralizing Humanized Antibody Structure. 2001 Apr 4; 9(4):321-9. PMID:11525169

NCBI AND UNIPROT INFORMATION

NCBI GI #	231718
NCBI GeneID	959
UniProt Accession #	P29965
NCBI Official Full Name	CD40 ligand
NCBI Official Synonym Full Names	CD40 ligand
NCBI Official Symbol	CD40LG
NCBI Official Synonym Symbols	IGM; IMD3; TRAP; gp39; CD154; CD40L; HIGM1; T-BAM; TNFSF5; hCD40L
NCBI Protein Information	CD40 ligand
UniProt Protein Name	CD40 ligand
UniProt Gene Name	CD40LG
UniProt Synonym Gene Names	CD40L; TNFSF5; TRAP; CD40-L; TRAP
UniProt Entry Name	CD40L_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/human-recombinant-antibody/cd40l/71953>