CD30 Recombinant Antibody

PRODUCT OVERVIEW

Product Name	CD30, Recombinant Antibody
Full Product Name	Anti-CD30 [Ki-4]
Product Gene Name	CD30 recombinant antibody
Product Synonym Names	TNFRSF8; Tumor necrosis factor receptor superfamily member 8; CD30L receptor; Ki-1 antigen; Lymphocyte activation antigen CD30
Isotype	Mouse IgG1, kappa
Clone Number	Ki-4
Species Reactivity	Human
Purity/Purification	Protein A Affinity Purified
Specificity	The antibody binds to CD30.
Preparation and Storage	Store at 4 degree C for up to 3 months. For longer storage, aliquot and store at -20 degree C.
3D Structure	ModBase 3D Structure for P28909
Animal-free Manufacturing Platform	The recombinant antibody is manufactured using a recombinant, mammalian HEK293-based expression platform. The manufacturing platform is animal-free and animal component-free.
Buffer Composition	PBS only with 0.02% Proclin 300.
Immunogen	Human CD30.
Product Categories/Family for CD30 recombinant antibody	Hodgkin's lymphoma; Oncology
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for CD30 recombinant antibody	ELISA (EIA), Flow Cytometry (FC/FACS), Immunohistochemistry (IHC), Immunofluorescence (IF), Inhibit
Application Notes for CD30 recombinant antibody	The antibody binds specifically to CD30, a cell membrane protein which belongs to the tumour necrosis factor receptor family. Incubation of CD30 positive L540 cells with Ki-3 antibody completely inhibits release of soluble CD30 (in contrast to Ki-3). CD30 is expressed on activated lymphocytes, and binding by its ligands TRAF2 and TRAF5 results in the activation of NF-kappaB, thereby regulating gene expression. CD30 is also associated with Hodgkin Lymphoma, and its expression acts as a tumour marker. Targeting the CD30 antigen with specific monoclonal antibodies is a possible therapy for Hodgkin's lymphoma.
Related Product Information for CD30 recombinant antibody	Recombinant monoclonal antibody to CD30. Manufactured using a Recombinant Platform with variable regions (i.e. specificity) from the scFv Ki-4.
Product References and Citations for CD30 recombinant antibody	Horn-Lohrens O, Tiemann M, Lange H, Kobarg J, Hafner M, Hansen H, Sterry W, Parwaresch RM, Lemke H. Shedding of the soluble form of CD30 from the Hodgkin-analogous cell line L540 is strongly inhibited by a new CD30-specific antibody (Ki-4). Int J Cancer. 1995 Feb 8; 60(4):539-44. PMID:7530238
Other Notes	Small volumes of CD30 recombinant antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for CD30 purchase	MBS488204 is a recombinant antibody targeting CD30. Also known as Anti-CD30 [Ki-4]. Reactive in Human.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for CD30. It may not necessarily be applicable to this product.

NCBI GI #	127546
UniProt Primary Accession #	P28909
Protein Family	CD302 antigen
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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