

Product Datasheet

CD40LG Antibody (Biotin) (orb751205)

Catalog Number	orb751205
Category	Antibodies
Description	Mouse monoclonal antibody against CD40LG conjugated to Biotin
Target	CD40LG
Clonality	Monoclonal
Species/Host	Mouse
Isotype	IgG2b
Conjugation	Biotin
Reactivity	Human
Form/Appearance	200ug/ml of Ab Purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% rAlbumin & 0.05% azide. Also available WITHOUT rAlbumin & azide at 1.0mg/ml.
Concentration	Purified Ab conjugated to Biotin
Buffer/Preservatives	Antibody purified from Bioreactor Concentrate by Protein A/G and conjugated to Biotin. Prepared in 10mM PBS with 0.05% rAlbumin and 0.05% azide.
Purification	Protein A
Immunogen	Recombinant fragment (around aa 108-261) of human CD40LG protein (exact sequence is proprietary)
UniProt ID	P29965
MW	36kDa

Biorbyt Ltd.

7 Signet Court, Swann Road
Cambridge
CB5 8LA
United Kingdom

Email: info@biorbyt.com, support@biorbyt.com

Phone: [+44 \(0\)1223 859353](tel:+44(0)1223859353) | Fax: [+1 \(415\) 651-8558](tel:+1(415)651-8558)

Biorbyt LLC

68 TW Alexander Drive
Research Triangle Park
Durham
NC 27713
United States

Email: info@biorbyt.com, support@biorbyt.com

Phone: [+1 \(415\) 906-5211](tel:+1(415)906-5211) | Fax: [+1 \(415\) 651-8558](tel:+1(415)651-8558)

Tested applications	ELISA, FC, IF, IHC, WB
Dilution range	ELISA (For coating, order antibody without BSA); Flow Cytometry (2-4ug/million cells); ,Immunofluorescence (2-4ug/ml); Western Blot (2-4ug/ml);,Immunohistochemistry (Formalin-fixed) (2-4ug/ml for 30 minutes at RT),(Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95 °C followed by cooling at RT for 20 minutes),Optimal dilution for a specific application should be determined.
Application notes	Positive Control: Jurkat cells. Tonsil, Spleen or Thymus
Specificity	Specifically expressed on activated CD4+ T-lymphocytes.
Clone Number	CD40LG/2761
Expression System	Bioreactor
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Note	For research use only
Entrez	959
Expiration Date	12 months from date of receipt.

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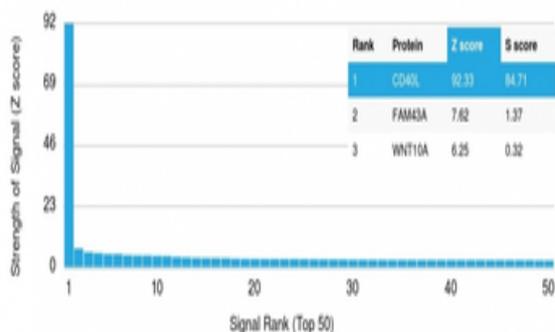
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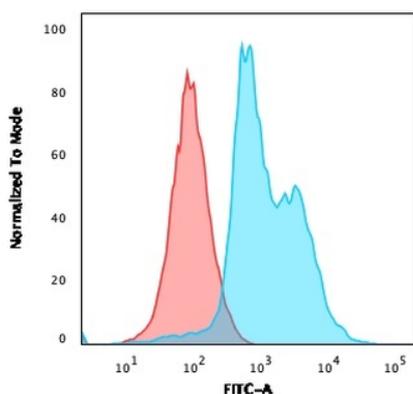
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Analysis of Protein Array containing more than 19000 full-length human proteins using CD40-Ligand Mouse Monoclonal Antibody (CD40LG/2761) Z- and S- Score: The Z-score represents the strength of a signal that a monoclonal antibody (MAb) (in combination with a fluorescently-tagged anti-IgG secondary antibody) produces when binding to a particular protein on the HuProt™ array. Z-scores are described in units of standard deviations (SDs) above the mean value of all signals generated on that array. If targets on HuProt™ are arranged in descending order of the Z-score, the S-score is the difference (also in units of SDs) between the Z-score. S-score therefore represents the relative target specificity of a MAb to its intended target. A MAb is considered to specific to its intended target, if the MAb has an S-score of at least 2.5. For example, if a MAb binds to protein X with a Z-score of 43 and to protein Y with a Z-score of 14, then the S-score for the binding of that MAb to protein X is equal to 29.



Flow Cytometric Analysis of Jurkat cells using CD40L-Monospecific Mouse Monoclonal Antibody (CD40LG/2761) followed by Goat anti-Mouse IgG-CF488 (Blue); Isotype Control (Red).

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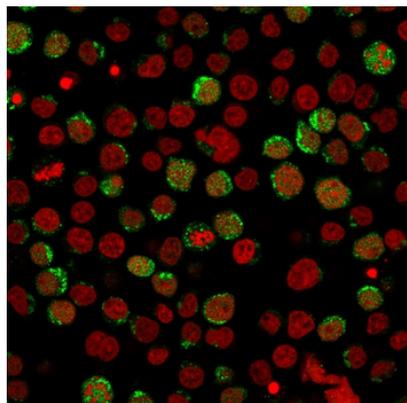
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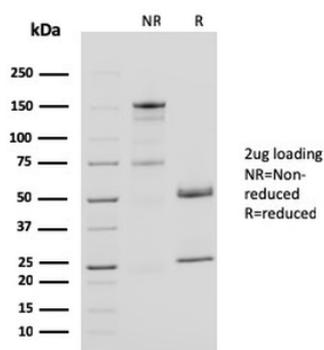
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Immunofluorescent staining of paraformaldehyde-fixed Jurkat cells using CD40L Mouse Monoclonal Antibody (CD40LG/2761) followed by goat anti-Mouse IgG conjugated to CF488 (green). Nuclei are stained with Reddot.



SDS-PAGE Analysis Purified CD40L Mouse Monoclonal Antibody (CD40LG/2761). Confirmation of Purity and Integrity of Antibody.

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