

## Human CD40L ELISA Kit (2 plates)

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| <b>Catalogue No.:</b>  | BEK-2008-2P   |
| <b>Description:</b>    | The human CD40L Kit is a sandwich ELISA. The capture antibody is a monoclonal human CD40L antibody pre-coated onto the 96-well strip plates provided in the kit. Human test samples and standards of known CD40L concentration are added to these wells and allowed to complex with the bound CD40L antibody. A biotinylated anti-human CD40L polyclonal antibody is then added. This detection antibody binds to the antigen thus completing the sandwich. After washing, an enzyme Avidin-Biotin-Peroxidase complex (ABC) is added which binds to the second antibody. The peroxidase substrate TMB is added to induce a coloured reaction product. The intensity of this coloured product is directly proportional to the concentration of CD40L present in the samples. The purpose of this kit is the in-vitro quantitative determination of human CD40L in samples such as sera, plasma (heparin and EDTA), and cell culture supernates. This kit has been configured for research use only and is not to be used in diagnostic or clinical procedures. |
| <b>Batch No.:</b>      | See product labels  |
| <b>Antigen:</b>        | CD40L is the ligand for CD40, a member of the tumour necrosis factor (TNF) receptor superfamily. CD40L is expressed mainly on activated CD4+ T-lymphocytes as a single-pass type II membrane protein. Proteolytic processing of the membrane form results in a soluble secreted form of CD40L.  |
| <b>Other Names:</b>    | CD40-L; TRAP; gp39; TRAM; CD154; Tumour necrosis factor ligand superfamily member 5; TNFSF5; CD40L;   |
| <b>Accession:</b>      | P29965 CD40L_HUMAN;   |
| <b>Specificity:</b>    | Human CD40L   |
| <b>Storage:</b>        | Store at 2-8C   |
| <b>Kit components:</b> | The ELISA kit box contains 2 x 96-well pre-coated strip plates, protein standards, detection reagents, substrate buffer and detailed protocols.   |
| <b>Range:</b>          | 62.5 pg/mL - 4,000 pg/mL  |
| <b>Sensitivity:</b>    | < 15 pg/ml  |
| <b>Kit protocol:</b>   | Please refer to our online product listing for current protocol/MSDS versions.  |

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FOR RESEARCH USE ONLY