

## Anti-CD40 [G28.5] Standard Size Ab00129-15.0

This antibody does not have a J-chain and therefore presents as a hexamer, rather than a pentamer.

This chimeric human antibody was made using the variable domain sequences of the original Mouse IgG1 format, for improved compatibility with existing reagents, assays and techniques.

**Isotype and Format:** Human IgM, Kappa

**Clone Number:** G28.5

**Alternative Name(s) of Target:** TNFRS5; Tumor necrosis factor receptor superfamily member 5; B-cell surface antigen CD40; Bp50; CD40L receptor CDw40; CD154R

**UniProt Accession Number of Target Protein:** P25942

**Published Application(s):** Activate, IP, FC, IHC

**Published Species Reactivity:** Human

**Immunogen:** Human erythrocyte-rosette-negative tonsillar lymphocytes.

**Specificity:** 48 kD Type I glycoprotein, a member of the TNFR superfamily primarily expressed on normal or malignant B cells or B cell lines, macrophages, follicular dendritic cells, endothelial cells, fibroblasts, and at low levels on plasma cells.

**Application Notes:** This antibody detects CD40 by immunostaining. The original mouse IgG1 format was shown to stimulate B-cells (Bishop 2012 and references therein).

**Antibody First Published in:** Clark EA, Ledbetter JA. Activation of human B cells mediated through two distinct cell surface differentiation antigens, Bp35 and Bp50. Proc Natl Acad Sci U S A. 1986 Jun;83(12):4494-8. [PMID:3487090](#)

**Note on publication:** Describes the making of the antibody, shows it recognised a 50-kDa polypeptide expressed on all B cells using immunoprecipitation and flow cytometry.

## Product Form

**Size:** 50 µg Purified antibody.

**Purification:** Affinity Purified using a recombinant lectin column

**Supplied In:** PBS with 0.02% Proclin 300.

**Storage Recommendation:** Store at 4°C for up to 3 months. For longer storage, aliquot and store at -20°C.

**Concentration:**

1 mg/ml.

Important note - This product is for research use only. It is not intended for use in therapeutic or diagnostic procedures for humans or animals.