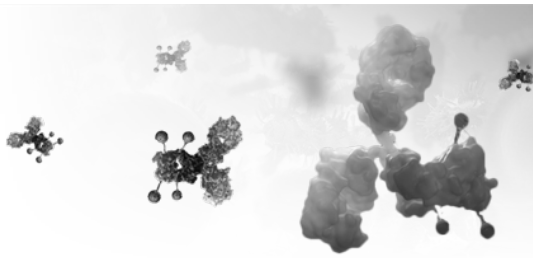

# Anti-CD44 monoclonal antibody, clone 5035-41.1D [R-PE] (CABT-46109MM)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

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|---|---|
| **Product Overview** | Ly24.2 found on >90% bone marrow cells and spleen cells, 56% of thymus cells and 90% of lymph node cells. This antibody recognises the following strains of mice:- C57BL/6, C57BL/10, C57/L, C58A, AKR, 129, SJL, NZB, C3H, CE, CBA/H. Flow Cytometry Use 10ul of the suggested working dilution to label 106 cells or cells or 100ul whole blood. The Fc region of monoclonal antibodies may bind non-specifically to cells expressing low affinity Fc receptors. |
| **Specificity** | CD44 |
| **Immunogen** | Spleen cells from B6PL-Ly-2a / Ly-3a B6-Ly-1a mice |
| **Isotype** | IgG1 |
| **Source/Host** | Mouse |
| **Species Reactivity** | Mouse |
| **Clone** | 5035-41.1D |
| **Conjugate** | PE |
| **Applications** | FC |
| **Format** | Purified IgG conjugated to R. Phycoerythrin (RPE) - lyophilised |
| **Size** | 100 tests |
| **Preservative** | 0.09% Sodium Azide |
| **Storage** | Store at +4°C. DO NOT FREEZE. This product should be stored undiluted. This product is photosensitive and should be protected from light. Should this product contain a precipitate we recommend microcentrifugation before use. |

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# GENE INFORMATION

| | |
|---|---|
| **Gene Name** | Cd44 CD44 antigen [ Mus musculus (house mouse) ] |
| **Official Symbol** | CD44 |
| **Synonyms** | CD44; CD44 antigen; Ly-24; Pgp-1; HERMES; AU023126; AW121933; AW146109; PGP-I; HUTCH-I; ECMR-III; hermes antigen; hyaluronate receptor; lymphocyte antigen 24; phagocytic glycoprotein 1; phagocytic glycoprotein I; extracellular matrix receptor III; GP90 ly |
| **Entrez Gene ID** | 12505 |
| **Protein Refseq** | NP_001034239 |
| **UniProt ID** | P15379 |
| **Chromosome Location** | 2 E2; 2 54.13 cM |
| **Pathway** | Cell surface interactions at the vascular wall; Cytokine Signaling in Immune system; Defective B3GAT3 causes JDSSDHD; Defective B4GALT1 causes B4GALT1-CDG (CDG-2d); Defective B4GALT7 causes EDS, progeroid type; Defective CHST14 causes EDS, musculocontractural type; Defective CHST3 causes SEDCJD; Defective CHST6 causes MCDC1; |
| **Function** | contributes_to cytokine binding; contributes_to cytokine receptor activity; epidermal growth factor receptor binding; hyaluronic acid binding; hyaluronon glucosaminidase activity; phosphoprotein binding; protein binding; protein kinase binding; |

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