
Product Datasheet

CD38 antibody (orb758991)

Description

Mouse monoclonal antibody to CD38

Species/Host

Mouse

Reactivity

Human

Conjugation

Unconjugated

Tested Applications

FC, IP

Immunogen

The original antibody was generated by immunizing CAF1 mice with human thymocytes.

Target

CD38

Preservatives

PBS with 0.02% Proclin 300.

Concentration

1 mg/ml

Storage

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

Note

For research use only

Application notes

This antibody reacts with various lymphoid cell populations and thymocytes. OKT10 along with other antibodies was used to describe the stages of intrathymic development of human thymocytes. It was reported that all the thymocytes initially bear the OKT10 marker. As the thymocytes are exported to peripheral T-cell compartment they lose the OKT10 marker, as OKT10 could not react with peripheral T-cells (PMID:6966400). OKT10 is reported to bind to leukaemias and normal marrow cells of the myeloid and B cell lineages (PMID:6169674). OKT10 was used to study final B cell maturation since the OKT10 antigen is expressed on mature lymphocytes and lymphoplasmacytic cells. OKT10 reactivity is inversely proportional to the presence of Ia-like antigen expression. Therefore, these two antigens can be employed as complementary opposite reactants for the study of mature B cell malignancies, such as CLL, multiple myeloma, and Waldenström malignancy. (PMID:6813349). This antibody was used for determination of highly purified human NK cells by flow cytometry (PMID:6975321). This antibody was used for the identification of a CD38-like 78-Kilodalton soluble protein released from B Cell Lines derived from patients with X-linked Agammaglobulinemia (PMID:9637716)

Isotype

IgG1

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Expiration Date

12 months from date of receipt.