

Product Datasheet

Anti-CD38 [HB7] (orb314898)

Catalog Number	orb314898
Category	Antibodies
Description	Mouse monoclonal antibody to CD38
Target	CD38
Clonality	Monoclonal
Species/Host	Mouse
Isotype	IgG1
Conjugation	Unconjugated
Reactivity	Human
Concentration	1 mg/ml
Buffer/Preservatives	PBS with 0.02% Proclin 300.
Purity	Purified
Immunogen	Viable cells (1 x 10E7) of the human cell line, BJAB (Human Burkitt lymphoma B cell line), which were injected intraperitoneally into 8-week-old BALB/c mice.
UniProt ID	P28907
Tested applications	FC, IP

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Specificity

This antibody binds to an epitope between amino acids 273-285 of human CD38, an approximately 45 kDa type II transmembrane protein, expressed on essentially all pre-B lymphocytes, plasma cells, and thymocytes. Also present on activated T lymphocytes, natural killer (NK) lymphocytes, myeloblasts, and erythroblasts. Bimodally expressed during B cell development, modulating from high in immature cells to low in intermediate ones and back to high on mature B cells. This antibody competes with clone AT13/5 (Ab00289) (Ellis 1995).

Clone Number

HB7

Storage

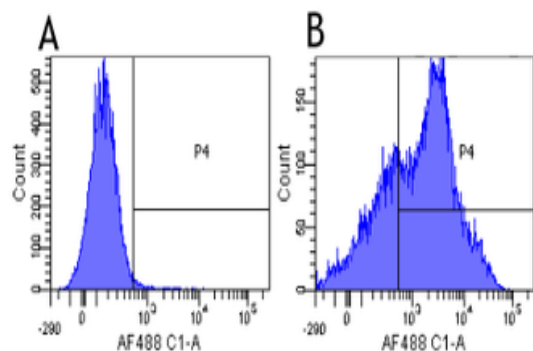
Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Note

For research use only

Expiration Date

12 months from date of receipt.



Flow-cytometry using anti-CD38 antibody HB7 Human lymphocytes were stained with an isotype control (orb256390, panel A) or the rabbit-chimeric version of HB7 (orb348893, panel B) at a concentration of 1 µg/ml for 30 mins at RT. After washing, bound antibody was detected using a AF488 conjugated donkey anti-rabbit antibody and cells analysed on a FACSCanto flow-cytometer.

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