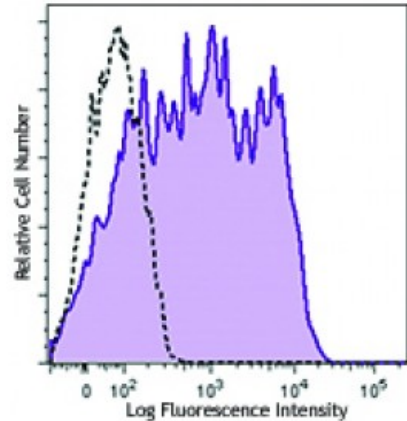


PerCP anti-human CD38

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| Catalog # / Size: | 2383105 / 25 tests 2383110 / 100 tests |
| Clone: | HB-7 |
| Isotype: | Mouse IgG1, κ |
| Immunogen: | BJAB human B cell line. |
| Reactivity: | Human |
| Preparation: | The antibody was purified by affinity chromatography and conjugated with PerCP under optimal conditions. The solution is free of unconjugated PerCP and unconjugated antibody. |
| Formulation: | Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide and 0.2% (w/v) BSA (origin USA). |
| Workshop Number: | III 155 |
| Concentration: | Lot-specific |



Human peripheral blood lymphocytes were stained with CD38 (clone HB-7) PerCP (filled histogram) or mouse IgG1, κ PerCP isotype control (open histogram).

Applications:

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| Applications: | Flow Cytometry |
| Recommended Usage: | Each lot of this antibody is quality control tested by immunofluorescent staining with flow cytometric analysis. For flow cytometric staining, the suggested use of this reagent is 5 microL per million cells or 5 microL per 100 microL of whole blood. It is recommended that the reagent be titrated for optimal performance for each application. |

* PerCP has a maximum absorption of 482 nm and a maximum emission of 675 nm.

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| Application Notes: | Additional reported applications for the relevant formats include: indirect immunofluorescent staining ¹ and Western blotting ² . |
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| Application References: | 1. Tedder T, <i>et al.</i> 1984. <i>Tissue Antigens</i> . 24:140. (IF) 2. Inoue S, <i>et al.</i> 1997. <i>J. Immunol.</i> 159:5226. (WB) 3. Zhao Y, <i>et al.</i> 2011. <i>J. Biol. Chem.</i> 286:22170. |
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| Description: | CD38 is a 45 kD type II transmembrane glycoprotein also known as T10. It is an ADP-ribosyl hydrolase expressed at variable levels on hematopoietic cells and in some non-hematopoietic tissues (such as brain, muscle, and kidney). In humans, it is expressed at high levels on plasma cells and activated T and B cells, natural killer (NK) lymphocytes, myeloblasts, and erythroblasts. By functioning as both a cyclase and a hydrolase, CD38 mediates lymphocyte activation, adhesion, and |
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the metabolism of cADPR and NAADP. CD31 is the ligand of CD38.

- Antigen** 1. Ferrero E, *et al.* 1999. *J. Leukoc. Biol.* 65:151.
References: 2. Lund F, *et al.* 1995. *Immunol. Today* 16:469.