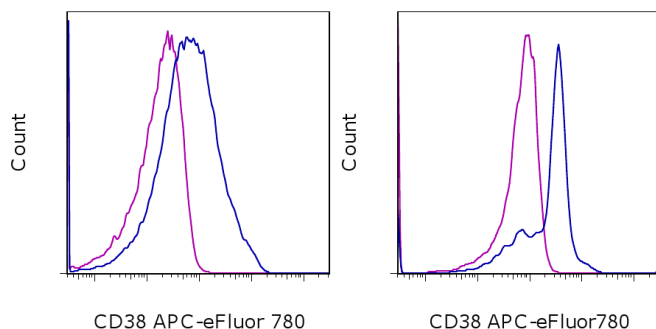


## Anti-Human CD38 APC-eFluor® 780

**Catalog Number:** 47-0389

**Also known as:** ADP-Ribosyl Cyclase, Cyclic ADP-Ribose Hydrolase

**RUO: For Research Use Only. Not for use in diagnostic procedures.**



Staining of normal human peripheral blood cells with Mouse IgG1 K Isotype Control APC-eFluor® 780 (cat. 47-4714) (blue histogram) or Anti-Human CD38 APC-eFluor® 780 (purple histogram). Cells in the lymphocyte (left) or monocyte (right) gate were used for analysis.

### Product Information

**Contents:** Anti-Human CD38 APC-eFluor® 780

**REF** **Catalog Number:** 47-0389

**Clone:** HIT2

**Concentration:** 5 uL (0.25 ug)/test

**Host/Isotype:** Mouse IgG1, kappa

**HLDA Workshop:** III 155

**Formulation:** aqueous buffer, 0.09% sodium azide, may contain carrier protein/stabilizer

**Temperature Limitation:** Store at 2-8°C. Do not freeze. Light-sensitive material. This tandem dye is sensitive to photo-induced oxidation. Protect this vial from light during storage, handling & experimental procedures.

**Batch Code:** Refer to vial

**Use By:** Refer to vial

**Contains sodium azide**



**LOT**



### Description

The HIT2 monoclonal antibody reacts with the human CD38 molecule, an approximately 45 kDa type II transmembrane protein. CD38 is expressed by thymocytes, peripheral B cells including plasma cells, activated T cells, and monocytes. CD38 is a counter-receptor for CD31 and has both cyclase and hydrolase enzymatic activity.

### Applications Reported

This HIT2 antibody has been reported for use in flow cytometric analysis.

### Applications Tested

This HIT2 antibody has been pre-titrated and tested by flow cytometric analysis of normal human peripheral blood cells. This can be used at 5 µL (0.25 µg) per test. A test is defined as the amount (µg) of antibody that will stain a cell sample in a final volume of 100 µL. Cell number should be determined empirically but can range from 10<sup>5</sup> to 10<sup>8</sup> cells/test.

**APC-eFluor® emits at 780 nm and is excited with the Red laser (633 nm). Please make sure that your instrument is capable of detecting this fluorochrome.**

**Light sensitivity: Tandem is sensitive photo-induced oxidation. Please protect this vial and stained samples from light.**

**Fixation: Samples can be stored in IC Fixation Buffer (cat. 00-8222) (100 uL cell sample + 100 uL IC Fixation Buffer) or 1-step Fix/Lyse Solution (cat. 00-5333) for up to 3 days in the dark at 4°C with minimal impact on brightness and FRET efficiency/compensation. Some generalizations regarding fluorophore performance after fixation can be made, but clone specific performance should be determined empirically.**

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### References

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### Related Products

00-4222 Flow Cytometry Staining Buffer

47-4714 Mouse IgG1 K Isotype Control APC-eFluor® 780 (P3.6.2.8.1)

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