

PerCP/Fire™ 806 anti-human CD32B/C Antibody

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|--------------------------|--|
| Catalog# / Size | 398333 / 25 tests 398334 / 100 tests |
| Clone | S18005H |
| Regulatory Status | RUO |
| Other Names | FCGR2B, FCgRIIB, FCGR2C, FCRIIC, IGFR2, CD32B, CD32C, FCG2, FCGR2, IGFR2, FcRII-c, CDW32 |
| Isotype | Mouse IgG1, κ |
| Description | CD32B (FCGR2B) and CD32C (FCGR2C) are 40 kDa, type I transmembrane proteins that are members of the Ig superfamily of low-affinity immunoglobulin gamma Fc receptors. CD32B has a cytoplasmic tail that contains an immunoreceptor tyrosine-based inhibition motif (ITIM), while CD32C contains an immunoreceptor tyrosine-based activation motif (ITAM). CD32B and CD32C are low affinity receptor for monomeric IgG but also bind IgG complexes. CD32B and CD32C are expressed on B cells, subsets of monocytes, macrophages and granulocytes, platelets, mast cells, and is a negative regulator of cell activation, proliferation, endocytosis, phagocytosis, and degranulation. |

Product Details

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| Verified Reactivity | Human |
| Antibody Type | Monoclonal |
| Host Species | Mouse |
| Immunogen | Recombinant Human Fc gamma RIIB/C (CD32b/c) Protein |
| Formulation | Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide and BSA (origin USA) |
| Preparation | The antibody was purified by affinity chromatography and conjugated with PerCP/Fire™ 806 under optimal conditions. |
| Concentration | Lot-specific (to obtain lot-specific concentration and expiration, please enter the lot number in our Certificate of Analysis online tool.) |
| Storage & Handling | The antibody solution should be stored undiluted between 2°C and 8°C, and protected from prolonged exposure to light. Do not freeze. |
| Application | FC - Quality tested |
| 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 µL per million cells in 100 µL staining volume or 5 µL per 100 µL of whole blood. It is recommended that the reagent be titrated for optimal performance for each application. * PerCP/Fire™ 806 has a maximum excitation of 478 nm and a maximum emission of 806 nm. |
| Excitation Laser | Blue Laser (488 nm) |
| Application Notes | As the extracellular region of CD32B and CD32C are identical, this Ab recognizes both isoforms. Does not crossreact with CD32A. |
| RRID | AB_3675129 (BioLegend Cat. No. 398333) AB_3675129 (BioLegend Cat. No. 398334) |

Antigen Details

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|-------------------------|---|
| Structure | Type I transmembrane protein, 40 kDa, member of the Ig superfamily |
| Distribution | B cells, subsets of monocytes, macrophages and granulocytes, platelets, mast cells. |
| Function | Negatively regulates cell activation, proliferation, endocytosis, phagocytosis, and degranulation |
| Ligand/Receptor | Fc region of complex or aggregated immunoglobulins gamma |
| Cell Type | B cells, Dendritic cells, Granulocytes, Monocytes, Platelets |
| Biology Area | Immunology, Innate Immunity |
| Molecular Family | CD Molecules, Fc Receptors |

Antigen References

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4. Tomiyama Y, *et al.* 1992. *Blood*. 80: 2261.
5. Indik Z, *et al.* 1991. *J Clin Invest*. 88: 1766.
6. Ramsland PA, *et al.* 2011. *J Immunol*. 187: 3208.
7. Hogarth PM and Pietersz GA. 2012. *Nat Rev Drug Discov*. 11: 311.
8. Bournazos S, *et al.* 2009. *J Immunol*. 182: 8026.
9. Maxwell KF, *et al.* 1999. *Nat Struct Biol*. 6: 437.
10. Sandilands GP, *et al.* 1997. *Immunology*. 91: 204.
11. Ghazizadeh S, *et al.* 1994. *J Biol Chem*. 269: 8878.
12. Gillis C, *et al.* 2014. *Front Immunol*. 5: 254.

Gene ID [2213](#)
[9103](#)

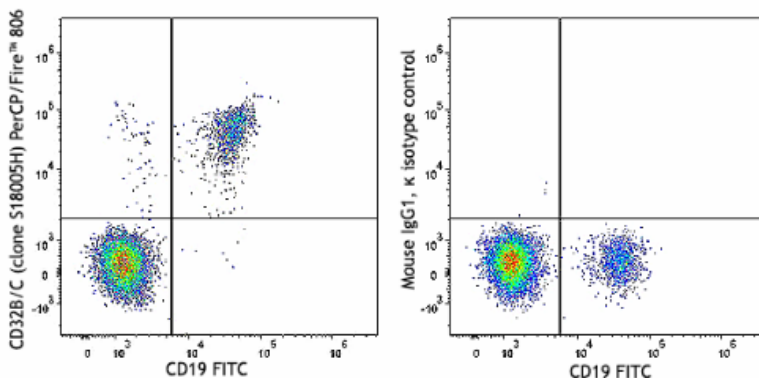
Related Protocols

- [Cell Surface Flow Cytometry Staining Protocol](#)

Other Formats

Purified anti-human CD32B/C, Alexa Fluor® 647 anti-human CD32B/C, APC anti-human CD32B/C, Alexa Fluor® 700 anti-human CD32B/C Antibody, PerCP/Cyanine5.5 anti-human CD32B/C Antibody, APC/Cyanine7 anti-human CD32B/C Antibody, PE/Cyanine7 anti-human CD32B/C Antibody, PE/Dazzle™ 594 anti-human CD32B/C Antibody, PE anti-human CD32B/C, Alexa Fluor® 488 anti-human CD32B/C, APC/Fire™ 750 anti-human CD32B/C, FITC anti-human CD32B/C, Brilliant Violet 421™ anti-human CD32B/C, TotalSeq™-B1293 anti-human CD32B/C, TotalSeq™-C1293 anti-human CD32B/C, TotalSeq™-A1293 anti-human CD32B/C, PerCP/Fire™ 780 anti-human CD32B/C Antibody, PerCP/Fire™ 806 anti-human CD32B/C, Brilliant Violet 605™ anti-human CD32B/C

Product Data



Human peripheral blood lymphocytes were stained with anti-human CD19 (clone HIB19) FITC and anti-human CD32B/C (clone S18005H) PerCP/Fire™ 806 (left) or mouse IgG1, κ PerCP/Fire™ 806 isotype control (right)

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