

Purified anti-human CD32

Catalog # / Size: 303201 / 25 µg
303202 / 100 µg

Clone: FUN-2

Isotype: Mouse IgG2b, κ

Workshop Number: VI B051

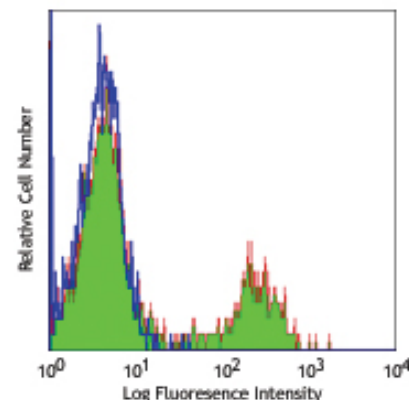
Reactivity: Human

Preparation: The antibody was purified by affinity chromatography.

Formulation: Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide.

Concentration: 0.5 mg/ml

Storage: The antibody solution should be stored undiluted at 4°C.



Human peripheral blood lymphocytes stained with purified FUN-2, followed by anti-mouse IgGs FITC

Applications:

Applications: FC - *Quality tested*
IHC - *Reported in the literature*

Recommended Usage: Each lot of this antibody is quality control tested by immunofluorescent staining with flow cytometric analysis. For immunofluorescent staining, the suggested use of this reagent is ≤ 0.5 µg per 10⁶ cells in 100 µl volume or 100 µl of whole blood. It is recommended that the reagent be titrated for optimal performance for each application.

Application Notes: Additional reported applications (for the relevant formats) include: immunohistochemical staining³ of acetone-fixed frozen tissue sections.

Application References:

1. Kishimoto T, *et al.* 1997. Leucocyte Typing VI Garland Press. London.
2. Lerino F, *et al.* 1993. *J. Immunol.* 150:1794.
3. Personal communication.
4. van Tits L, *et al.* 2005. *Arterioscler Thromb Vasc Biol.* 25:717.PubMed
5. Smeltz RB. 2007. *J. Immunol.* 178:4786.
6. Satta N, *et al.* 2011. *Blood.* 117:5223. PubMed.

Description: CD32 is a 40 kD polymorphic transmembrane glycoprotein also known as FcγRII and FCR11. It is an immunoglobulin superfamily member expressed on monocytes/macrophages, granulocytes, platelets and B cells. There are at least 6 isoforms of CD32 resulting from alternative mRNA splicing. CD32 mediates phagocytosis and oxidative burst in granulocytes, as well as platelet aggregation and immunomodulation. The extracellular domain of CD32 binds to polymeric and aggregated IgG and immune complexes, while the intracellular domain has been reported to associate with SHP-1 (B1 isoform).

Antigen References:

1. Stuart S, *et al.* 1989. *EMBO J.* 8:3657.
2. Huang Y, *et al.* 1999. *Scand. J. Immunol.* 49:177.
3. Hisaka H, *et al.* 1999. *Pathobiology* 67:92.

Related Products:

Product	Clone	Application
Purified anti-human CD64	10.1	FC, IHC
Purified anti-human CD16	3G8	FC, IHC, IP, CyTOF®
APC Goat anti-mouse IgG (minimal x-reactivity)	Poly4053	FC
Biotin Goat anti-mouse IgG (minimal x-reactivity)	Poly4053	FC, ELISA, IHC, IF, WB
FITC Goat anti-mouse IgG (minimal x-reactivity)	Poly4053	FC
Purified Mouse IgG2b, κ Isotype Ctrl	MPC-11	FC, ICFC, ICC, IF, IHC, IP, WB
PE Goat anti-mouse IgG (minimal x-reactivity)	Poly4053	FC
Cell Staining Buffer		FC, ICC, ICFC
RBC Lysis Buffer (10X)		FC, ICFC



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