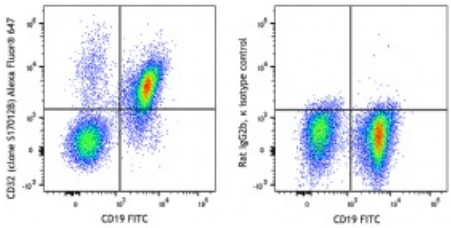
SONY

Product Data Sheet

Alexa Fluor® 647 anti-mouse CD32 (Fcgr2)

Catalog # / Size:	1382070 / 100 µg 1382065 / 25 µg
Clone:	S17012B
Isotype:	Rat IgG2b, κ
Immunogen:	Mouse CD32 transfected cells
Reactivity:	Mouse
Preparation:	The antibody was purified by affinity chromatography and conjugated with Alexa Fluor® 647 under optimal conditions.
Formulation:	Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide
Concentration:	0.5 mg/mL



C57BL/6 mouse splenocytes were stained with anti-mouse CD19 FITC and anti-mouse CD32 (clone S17012B) Alexa Fluor® 647 (left) or rat IgG2b, κ isotype Alexa Fluor® 647 control (right).

Applications:

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 ≤ 0.5 µg per million cells in 100 µL volume. It is recommended that the reagent be titrated for optimal performance for each application. * Alexa Fluor® 647 has a maximum emission of 668 nm when it is excited at 633 nm / 635 nm.
Application Notes:	P1F6, reacts with the avß5 integrin complex. This antibody does not cross react with any other av containing integrin and completely inhibits avß5 dependent binding to vitronectin coated surfaces.

Application References:

1. Sacco P, *et al.* 1995. *J. Biol. Chem.* 270:20201. (WB)
2. Johnson KR, *et al.* 1993. *Exp. Cell Res.* 207:252.
3. Gupta K, *et al.* 2012. *J. Ped. Hem. Onc.* 34:320. (IHC-P)
4. Radice G, *et al.* 1997. *Dev. Bio.* 181:64. (IHC-P)

Description: CD32 (Fcgr2) is a 40 kD transmembrane glycoprotein, member of the immunoglobulin superfamily. The extracellular region of CD32 consists of two Ig C-type domains that binds the Fc region from monomeric IgG with low affinity, but binds immune complexes efficiently. CD32 can mediate phagocytosis of immune complexes and modulate cell activation. CD32 is expressed by Macrophages, neutrophils, mast cells and B cells.

Antigen References:

1. Negishi-Koga T, *et al*. 2015. *Nat Commun*. 6:6637
2. Yamada DH, *et al*. 2015. *Immunity*. 42:379
3. Clatworthy MR, *et al*. 2014. *Nat Med*. 20:1458
4. Li F and Ravetch JV. 2011. *Science*. 333:1030
5. Xiang Z, *et al*. 2007. *Nat Immunol*. 8:419

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