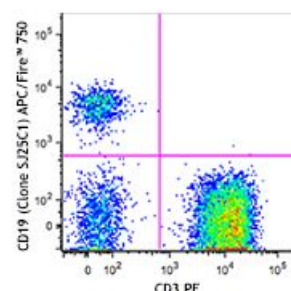


APC/Fire™ 750 anti-human CD19

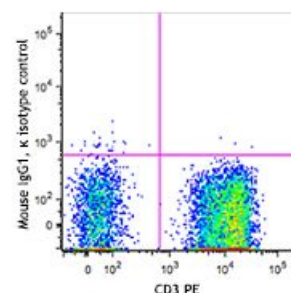
Catalog # /	2415150 / 100 tests
Size:	2415145 / 25 tests
Clone:	SJ25C1
Isotype:	Mouse IgG1, κ
Immunogen:	NALM1 + NALM16 cells
Reactivity:	Human
Preparation:	The antibody was purified by affinity chromatography and conjugated with APC/Fire™
Formulation:	Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide and 0.2% (w/v) BSA (origin USA).
Workshop Number:	750 under optimal conditions.
Concentration:	Lot-specific



Human peripheral blood lymphocytes were stained with CD3 PE and CD19 (clone SJ25C1) APC/Fire™ 750 (top) or mouse IgG1, κ APC/Fire™ 750 isotype control (bottom).

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 5 µl per million cells in 100 µl staining volume or 5 µl per 100 µl of whole blood.



* APC/Fire™ 750 has a maximum excitation of 650 nm and a maximum emission of 787 nm.

Application Notes:	Additional reported applications (for the relevant formats of this clone) include: Western blotting ³ and IHC ^{1,5} .
---------------------------	---

Application References:	<ol style="list-style-type: none"> Walsh FS, <i>et al.</i> 1981. <i>Nature</i> 289:60. (FC) Pavlath GK, <i>et al.</i> 1986. <i>J. Cell Biol.</i> 102:124. (FC) Pavlath GK, <i>et al.</i> 1989. <i>Nature</i> 337:570. (FC) Pulido R, <i>et al.</i> 1988. <i>J. Immunol.</i> 140:3851. (FC)
--------------------------------	--

Description:	CD19 is a 95 kD type I transmembrane glycoprotein also known as B4. It is a member of the immunoglobulin superfamily expressed on B cells (from pro-B to blastoid B cells, absent on plasma cells) and follicular dendritic cells. CD19 is involved in B cell development, activation, and differentiation. CD19 forms a complex with CD21 (CR2) and CD81 (TAPA-1), and functions as a BCR co-receptor.
---------------------	---

- Antigen** 1. Tedder T, *et al.* 1994. *Immunol. Today* 15:437.
- References:** 2. Bradbury L, *et al.* 1993. *J. Immunol.* 151:2915.