Product Data Sheet

FITC anti-human/mouse Integrin β7

Catalog # / Size:	2206060 / 100 tests 2206065 / 50 μg
	2206070 / 500 μg
Clone:	FIB504
Isotype:	Rat IgG2a, к
Immunogen:	TK1 cells
Reactivity:	Other
Preparation:	The antibody was purified by affinity chromatography, and conjugated with FITC under optimal conditions. The solution is free of unconjugated FITC.
Formulation:	test size: Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide and 0.2% (w/v) BSA (origin USA). microg sizes: Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide.
Workshop Number:	VI 6T-101, VI A024
Concentration:	test size: lot-specific; microg sizes: 0.5





Applications:

Applications:	Flow Cytometry
Recommended Usage:	Each lot of this antibody is quality control tested by immunofluorescent staining with flow cytometric analysis. Test size products are transitioning from 20 microL to 5 microL per test . Please check your vial or your CoA to find the suggested use of this reagent per million cells in 100 microL staining volume or per 100 microL of whole blood. It is recommended that the reagent be titrated for optimal performance for each application.
Application Notes:	The FIB504 antibody has been reported to react with mouse and human β 7 integrin and to block β 7 integrin-mediated cell adhesion in <i>in vitro</i> and <i>in vivo</i> studies. Additional reported applications (for the relevant formats) include: blocking of cell adhesion ^{1,3,4} . The LEAF TM purified FIB504 antibody (Endotoxin <0.1 EU/µg, Azide-Free, 0.2 µm filtered) is recommended for functional assays (Cat. No. 321218).
Application References:	 Andrew DP, <i>et al.</i> 1994. <i>J. Immunol.</i> 153:3847. (Block) Berlin C, <i>et al.</i> 1993. <i>Cell</i> 74:185. Rott LS, <i>et al.</i> 1996. <i>J. Immunol.</i> 156:3727. (Block) Rivera-Nieves J, <i>et al.</i> 2005. <i>J. Immunol.</i> 174:2343. (Block) Ohmori K, <i>et al.</i> 2009. <i>J. Immunol.</i> 182:2835. <u>PubMed</u> Yoshino N, <i>et al.</i> 2000. <i>Exp. Anim. (Tokyo)</i> 49:97. (FC)

Description: Integrin β 7 is a 130 kD glycoprotein also known as integin β p. It is a member of the Ig superfamily. In association with integrin α 4 or α E chain, β 7 forms α 4/ β 7 or α E/ β 7 heterodimer. α 4/ β 7 (CD49d/ β 7, LPAM-1) is expressed on the majority of peripheral lymphocytes, on small subsets of thymocytes, and bone marrow

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 Antigen
 1. Andrew DP, et al. 1994. J. Immunol. 153:3847.

 References:
 2. Picarella D, et al. 1997. J. Immunol. 158:2099.

 3. Lefrancois L, et al. 1994. Eur. J. Immunol. 24:635

 4. Cepek KL, et al.

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