

# Mouse anti-Mouse CD32B:FITC

CatNo

**MAK6000F**

monoclonal

BatchNo: See Label  
 Expiration Date: See Label  
 Storage: 2-8°C for 1 month  
 -20°C for longer

<b>Clone Number:</b>	AT130-5		
<b>Volume/Quantity:</b>	0.1 mg		
<b>CD-Number:</b>	CD32B		
<b>Product Form:</b>	Purified IgG conjugated to Fluorescein Isothiocyanate Isomer 1 (FITC) liquid		
<b>Max Ex/Em</b>	<b>Fluorophore</b>	<b>Excitation Max (nm)</b>	<b>Emission Max (nm)</b>
	FITC	490	525
<b>Preparation:</b>	Purified IgG prepared by affinity chromatography on Protein A from tissue culture supernatant		
<b>Buffer:</b>	Phosphate buffered saline		
<b>Preservatives Stabilisers:</b>	0.09% Sodium Azide (NaN <sub>3</sub> ) 1% Bovine Serum Albumin		
<b>Approx. Protein Concentrations:</b>	IgG concentration 0.1 mg/ml		
<b>Immunogen:</b>	Mouse CD32-rat CD4 fusion protein		
<b>Fusion Partners:</b>	Spleen cells from immunised mice were fused with cells of the NS-1 myeloma cell line		
<b>Isotype:</b>	IgG1 (Mouse)		
<b>Specificity:</b>	<b>Mouse anti Mouse CD32B, clone AT130-5</b> , recognizes mouse CD32B also known as FcRIIB. CD32B (FcRIIB) is a low affinity receptor for IgG1, IgG2a and IgG2b type antibodies. Unlike other FcRs, the intracellular domain of CD32B contains a inhibitory signalling motif (ITIM) that can antagonize signal transduction mediated through other activatory receptors. FcRIIB is expressed on all myeloid populations and on B-cells.		

<b>Applications:</b>	<b>Suggested Working Dilution</b>	
FlowCytometry*	Yes	Neat – 1/19

Where this antibody has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the antibody for use in their own system using appropriate negative/positive controls.

MAK6000F 2302132-1/2



**Mouse anti-Mouse CD32B:FITC**

**CatNo** **MAK6000F**

monoclonal

**Flow Cytometry**

Use 10ul of the suggested working dilution to  $1 \times 10^6$  cells in 100ul.

**References:**

1. White, A. et al. (2011) Interaction with FcγRIIB is critical for the agonistic activity of anti-CD40 monoclonal antibody. J Immunol. 187: 1754-1763
2. Williams, E.L. et al. (2012) Development and characterisation of monoclonal antibodies specific for the murine inhibitory FcγRIIB (CD32B). Eur J Immunol. 42: 2109-20

**Storage Conditions:**

Store at 2-8°C for one month or at -20°C for longer!

Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.

**Shelf Life:**

12 months from date of despatch.

**Health and Safety Information:**

(A full Health and Safety assessment is available upon request)

This product contains sodium azide: a POISONOUS and HAZARDOUS SUBSTANCE which should be handled by trained staff only.

MAK6000F 2302132-2/2

**For Research purposes only. Not for therapeutic or diagnostic use.**

