

## CD40

### Mouse Anti-Human CD40 Clone HB14 FITC mAb

<b>Catalog No.</b>	MON2146F	<b>Quantity:</b>	0.5 ml
<b>Alternate Names:</b>	Bp50, CDW40, MGC9013, TNFRSF5, p50, B cell surface antigen CD40, B cell-associated molecule, CD40 antigen, CD40 antigen (TNF receptor superfamily member 5), CD40 type II isoform, CD40L receptor, nerve growth factor receptor-related B-lymphocyte activation molecule, tumor necrosis factor receptor superfamily, member 5		
<b>Description:</b>	The antibody reacts with CD40. The CD40 antigen is a member of a receptor family that includes CD27, CD30, Fas, the low affinity Nerve Growth Factor Receptor (NGFR), Tumor Necrosis Factor Receptors (TNFR: I & II), as well as others. This antibody is a pan-B cell marker. The CD40 antigen is also expressed on interdigitating cells (IDC), basal epithelial cells, and some carcinomas. The CD40 is also expressed, to a lesser extent, on follicular dendritic cells, macrophages, and some epithelial cells. The CD40 antibody has demonstrated the ability to suppress apoptosis.		
<b>Gene ID:</b>	958		
<b>Host:</b>	Mouse IgG1		
<b>Isotype:</b>	It is recommended that Monosan isotype controls be used since they have been conjugated using the same protocols as for the monoclonal antibodies: Mouse IgG1 FITC Code M101		
<b>Clone:</b>	HB14		
<b>Formulation:</b>	0.5 ml antibody solution in PBS with 0.1% sodium-azide. A highly purified grade of BSA has been added as a stabilizing protein to bring the final protein concentration to 4-5 mg/ml. Precaution: Sodium azide is a poisonous and hazardous substance which should be handled by trained staff only.		
<b>Applications:</b>	The antibody can be used for flow cytometry. Excitation: 488 nm with argon laser Emission: 525 nm		
<b>Application Notes:</b>	This antibody has been titrated for application in flow cytometry. 5 µl is the maximum amount of reagent required for 1 x 10 <sup>6</sup> cells. Lesser amounts of antibody may be sufficient and it is recommended that the customer determine the optimum amount of antibody for each application.		
<b>Storage &amp; Stability:</b>	Store at 2-8°C for short term (to 3 months) and at -20°C for long term storage. Aliquot and avoid repeated freezing and thawing. Fluorochrome conjugates should be stored in the dark and direct exposure to light should be avoided during handling and cell staining.		

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