

## CD38

### Mouse Anti-Human CD38 (Clone HIT-2) mAb, FITC

<b>Catalog No.</b>	MON1193F	<b>Quantity:</b>	0.5 mL
<b>Alternate Names:</b>	ADP-ribosyl cyclase/cyclic ADP-ribose hydrolase 1, ADP-ribosyl cyclase 1, ADPRC 1, Cyclic ADP-ribose hydrolase 1, cADPr hydrolase 1, T10		
<b>Description:</b>	CD38 (NAD <sup>+</sup> glycohydrolase) is a type II transmembrane glycoprotein able to induce activation, proliferation and differentiation of mature lymphocytes and mediate apoptosis of myeloid and lymphoid progenitor cells. CD38 functions as a multi-catalytic ectoenzyme serving as ADP-ribosyl cyclase, cyclic ADP-ribose hydrolase and possibly NAD <sup>+</sup> glycohydrolase or as a cell surface receptor. Antibodies to CD38 are useful in subtyping of lymphomas and leukemias, detection of plasma cells (i.e. identification of myelomas), and as a marker for activated B and T cells. CD38 participates in cell adhesion, signal transduction and calcium signaling. Further, CD38 is expressed at high levels in the pancreas, liver, kidney, malignant lymphoma and neuroblastoma. Diseases associated with CD38 dysfunction include chronic lymphocytic leukemia and Richter's Syndrome.		
<b>Concentration:</b>	0.2 mg/ml		
<b>UniProt ID:</b>	P28907		
<b>Host:</b>	Mouse		
<b>Immunogen:</b>	Human CD38		
<b>Isotype:</b>	IgG1		
<b>Clone:</b>	HIT-2		
<b>Conjugate:</b>	FITC		
<b>Formulation:</b>	PBS containing 0.4% BSA and 0.1% sodium azide.		
<b>Applications:</b>	Flow cytometry		
<b>Storage &amp; Stability:</b>	Store at 2-8°C for up to 1 year. <b>Protect from light.</b>		

NOT FOR HUMAN USE. FOR RESEARCH ONLY. NOT FOR DIAGNOSTIC OR THERAPEUTIC USE.

