

Mouse anti-Human CD16, clone DJ130c (Monoclonal)

Clone no. DJ130c

MONOSAN

Product name	Mouse anti-Human CD16, clone DJ130c (Monoclonal)
Host	Mouse
Applications	IHC-fr, FC, IHC-P
Species reactivity	human
Conjugate	-
Immunogen	Unknown or proprietary to MONOSAN and/or its suppliers
Isotype	IgG1
Clonality	Monoclonal
Clone number	DJ130c
Size	0.2 mg
Concentration	IgG 1 mg/ml
Format	Purified
Storage buffer	PBS with <0.1% sodium azide
Storage until expiry date	aliquots -20°C. Thawed 2-8°C

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Additional info

Mouse anti Human CD16 antibody, clone DJ130c recognizes human CD16, also known as Low affinity immunoglobulin gamma Fc region receptor III-A or Fc-gamma RIIIA. CD16a is a 254 amino acid ~50-65 kDa single pass type 1 transmembrane glycoprotein bearing two Ig-like C2 type domains. CD16 exists as a transmembranous form (Fc gammaRIIIA, or CD16A) and a glycosyl phosphatidylinositol (GPI) anchored form, Fc gammaRIIIB, or CD16B (Scallon et al. 1989). CD16A is expressed by NK cells, some T cells, and macrophages, whereas CD16B is primarily expressed by granulocytes (Ravetch and Perussia 1989). In addition, CD16B exists as two allelic variants NA1 and NA2. DJ130c recognizes all polymorphonuclear cells irrespective of their NA phenotype. Mouse anti Human CD16 antibody, clone DJ130c recognizes an epitope in the first membrane-distal domain of CD16, recognizes both CD16a and CD16b and has been demonstrated to cross-react with CD16 from rhesus macaques, *Macaca mulatta* (Xu et al. 2012)

References

1. Schmidt R et al. Diab Vasc Dis Res 2011; 8: 221-8
2. Shantsila E et al. Thromb Haemost 2012; 108: 32-40
3. Tapp L et al. J Thromb Haemost 2012; 10: 1231-41
4. Ambarus C et al. Arthritis Res Ther 2012; 14: R74
5. Brown R et al. Eur J Clin Invest 2018; 48: e12911

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