

Product datasheet MON10314

MONOSAN[®]

Mouse anti-Human CD29, clone 4B7R (Monoclonal)

Clone no. 4B7R

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Product name	Mouse anti-Human CD29, clone 4B7R (Monoclonal)
Host	Mouse
Applications	FC, IF, IP, IHC-P
Species reactivity	human
Conjugate	-
Immunogen	Ocular melanoma cell line V+B2
Isotype	IgG1
Clonality	Monoclonal
Clone number	4B7R
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

FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES

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Additional info

Mouse anti Human CD29 monoclonal antibody, clone 4B7R recognizes the human integrin beta 1 subunit, also known as CD29, a ~130 kDa (red) 115 kDa (non-red) single pass type I transmembrane glycoprotein expressed by most leucocytes and mesenchymal stem cells. Integrin receptors are involved in the regulation of a variety of important biological functions, including embryonic development, wound repair, hemostasis and prevention of programmed cell death. They are also implicated in abnormal pathological states such as tumor directed angiogenesis, tumor cell growth, and metastasis. Surface expression of CD29 on human natural killer cells can be reduced by pretreatment with the glutathioneS-transferase inhibitor diethyl maleate (Horvath-Arcidiacono et al. 2003)

References

1. Marshall HF et al. Br J Cancer 1998; 77: 522-9
2. Pillay J et al. J Leukoc Biol 2010; 88: 211-20
3. Horvath-Arcidiacono JA et al. Cell Immunol 2011; 222: 35-44
4. Kim BS et al. Biosci Biotechnol Biochem 2011; 75: 13-9
5. Kato H et al. PLoS One 2012; 7: e46576

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