

## Product datasheet

### anti-CD29 mouse monoclonal, Moon-4, purified

#### Short overview

<b>Cat. No.</b>	691574
<b>Quantity</b>	1 ml (100 µg/ml)
<b>Concentration</b>	100 µg/ml

#### Product description

<b>Host</b>	Mouse
<b>Antibody Type</b>	Monoclonal
<b>Isotype</b>	IgG1 kappa
<b>Clone</b>	Moon-4
<b>Immunogen</b>	Stimulated human leucocytes
<b>Formulation</b>	PBS with 0.02% sodium azide
<b>UniprotID</b>	P05556 (Human)
<b>Synonym</b>	Integrin beta-1, Fibronectin receptor subunit beta, Glycoprotein IIa, GPIIA, VLA-4 subunit beta, CD antigen CD29, ITGB1, FN1R, MDF2, MSK12
<b>Conjugate</b>	Unconjugated
<b>Purification</b>	Affinity chromatography
<b>Storage</b>	2-8°C
<b>Intended use</b>	Research use only
<b>Application</b>	FACS, ICC/IF, IHC
<b>Reactivity</b>	Human

#### Applications

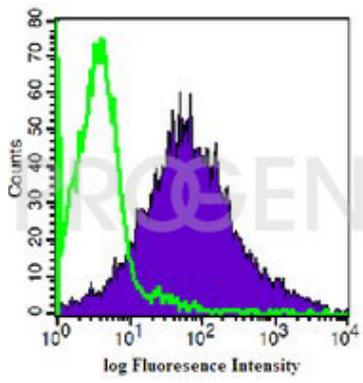
<b>Flow Cytometry (FACS)</b>	0.5-1.0 µg/million cells in 0.1 ml
<b>Immunocytochemistry (ICC)</b>	1:100-1:200 (0.5-1.0 µg/ml)
<b>Immunohistochemistry (IHC) - frozen</b>	1:50-1:100 (1-2 µg/ml)

#### Background

Moon-4 is specific for CD29, an adhesion receptor and costimulatory molecule. This antigen was initially characterized as gpIIa on platelets and as the common beta 1 subunit of the very late antigen (VLA) protein family. CD29 forms a non-covalent heterodimeric complex with integrin alpha subunits. It also mediates adhesion to invasin and thrombospondin.

Positive control: human lymphocytes, lymph node or tonsil.

#### Product images



FACS with human peripheral blood lymphocytes (PBL)