

## Product datasheet

# Anti-Integrin alpha 3 antibody [17C6] (FITC) ab30488

## 2 References

### Overview

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<b>Product name</b>	Anti-Integrin alpha 3 antibody [17C6] (FITC)
<b>Description</b>	Mouse monoclonal [17C6] to Integrin alpha 3 (FITC)
<b>Host species</b>	Mouse
<b>Conjugation</b>	FITC. Ex: 493nm, Em: 528nm
<b>Specificity</b>	ab30488 recognises CD49c, a 150kD cell surface antigen which is also known as the alpha-3 integrin and as VLA-3. CD49c is expressed by most cell types including T and B lymphocytes.
<b>Tested applications</b>	<b>Suitable for:</b> Flow Cyt
<b>Species reactivity</b>	<b>Reacts with:</b> Human
<b>Immunogen</b>	Integrin alpha 3 transfected cell line

### Properties

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<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Store at +4°C.
<b>Storage buffer</b>	pH: 7.40 Preservative: 0.09% Sodium azide Constituents: PBS, 1% BSA
<b>Purity</b>	Protein G purified
<b>Clonality</b>	Monoclonal
<b>Clone number</b>	17C6
<b>Myeloma</b>	NS1
<b>Isotype</b>	IgG1

### Applications

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Our [Abpromise guarantee](#) covers the use of **ab30488** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
Flow Cyt		
<b>Application notes</b>	<p>Flow Cyt: Use at an assay dependent dilution. Use 10µl of working dilution for 10<sup>6</sup> cells in 100ul.</p> <p>Not yet tested in other applications.</p> <p>Optimal dilutions/concentrations should be determined by the end user.</p>	
<b>Target</b>		
<b>Function</b>	<p>Integrin alpha-3/beta-1 is a receptor for fibronectin, laminin, collagen, epiligrin, thrombospondin and CSPG4. Alpha-3/beta-1 may mediate with LGALS3 the stimulation by CSPG4 of endothelial cells migration.</p>	
<b>Tissue specificity</b>	<p>Isoform alpha-3A is widely expressed. Isoform alpha-3B is expressed in brain and heart. In brain, both isoforms are exclusively expressed on vascular smooth muscle cells, whereas in heart isoform alpha-3A is strongly expressed on vascular smooth muscle cells, isoform alpha-3B is detected only on endothelial vein cells.</p>	
<b>Sequence similarities</b>	<p>Belongs to the integrin alpha chain family.</p> <p>Contains 7 FG-GAP repeats.</p>	
<b>Post-translational modifications</b>	<p>Isoform alpha-3A, but not isoform alpha-3B, is phosphorylated on serine residues.</p> <p>Phosphorylation increases after phorbol 12-myristate 13-acetate stimulation. Isoform alpha-3A is phosphorylated on Tyr-1051.</p>	
<b>Cellular localization</b>	<p>Membrane.</p>	

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