

# Technical Data Sheet

## InVivoMAb anti-mouse CD29



**Attention:** Use of this product constitutes an agreement to Bio X Cell's Terms and Conditions which are included with this product in print and can also be found at <https://bioxcell.com/terms-and-conditions>.

### Lot Specific Information

**Lot Number:** Lot Specific\*  
**Volume:** Lot Specific\*  
**Concentration:** Lot Specific\* (generally 4 to 11 mg/ml) \*  
**Total Protein:** Lot Specific\*

\*This information will be noted on the certificate of analysis that ships with this product.

### Product Information

**Catalog Number:** BE0232  
**Clone:** KMI6  
**Isotype:** Rat IgG2a,  $\kappa$   
**Recommended Isotype Control(s):** InVivoMAb rat IgG2a isotype control, anti-trinitrophenol  
**Recommended Dilution Buffer:** InVivoPure pH 7.0 Dilution Buffer  
**Immunogen:** C57BL/6 x DBA/2 mouse bone-marrow stromal cell clone BMS2  
**Reported Applications:** *in vitro* CD29 neutralization  
Immunofluorescence  
Flow cytometry  
**Formulation:** PBS, pH 7.0  
Contains no stabilizers or preservatives  
**Endotoxin:** <2EU/mg (<0.002EU/ $\mu$ g)  
Determined by LAL gel clotting assay  
**Purity:** >95%  
Determined by SDS-PAGE  
**Sterility:** 0.2  $\mu$ m filtered  
**Production:** Purified from cell culture supernatant in an animal-free facility  
**Purification:** Protein G  
**RRID:** [AB\\_2687714](https://abnova.com/AB_2687714)  
**Molecular Weight:** 150 kDa

### Description

The KMI6 monoclonal antibody reacts with mouse CD29 also known as integrin  $\beta$ 1, a 120-130 kDa member of the  $\beta$  integrin family. CD29 is expressed by leukocytes, endothelial, smooth muscle and epithelial cells. CD29 non-covalently associates with integrin  $\alpha$ 1- $\alpha$ 6 to form the VLA-1 through VLA-6 complexes. These  $\alpha$   $\beta$  integrin heterodimers are involved in adhesion, trafficking, proliferation and differentiation and bind to cell surface and extracellular matrix proteins including VCAM-1 and MadCAM-1.

### Storage

Store at the stock concentration at 4°C. **Do not freeze.**

It is not uncommon for a floccule or precipitate to appear during storage. The floccule is typically buffer salts precipitating out of solution or a small bit of protein aggregation. For information on how to remove floccules or precipitates see our FAQ's at <https://bioxcell.com/faqs>.

### Protocol Information

Since applications vary, each investigator should use the application references as a guide to help estimate the appropriate

dose or concentration. The dose or concentration can be further optimized experimentally in a dose response or titration experiment.

## Application References

For a complete list of references, visit [https://bioxcell.com/catalogsearch/result/?q=BE0232#tab\\_references](https://bioxcell.com/catalogsearch/result/?q=BE0232#tab_references) or scan the QR code below.



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**Bio X Cell, LLC**

<https://bioxcell.com>

+1-866-787-3444

[customerservice@bioxcell.com](mailto:customerservice@bioxcell.com)

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