# Mouse/Rat BCAM Alexa Fluor® 647-conjugated Antibody

Antigen Affinity-purified Polyclonal Goat IgG
Catalog Number: AF8299R
100 µg

## DESCRIPTION

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| **Species Reactivity** | Mouse/Rat |
| **Specificity** | Detects mouse and rat BCAM in Western blots. In direct ELISAs, less than 50% cross-reactivity with recombinant human BCAM is observed. |
| **Source** | Polyclonal Goat IgG |
| **Purification** | Antigen Affinity-purified |
| **Immunogen** | Mouse myeloma cell line NS0-derived recombinant mouse BCAM<br>Met1-Ala541<br>Accession # Q9R069 |
| **Conjugate** | Alexa Fluor 647<br>Excitation Wavelength: 650 nm<br>Emission Wavelength: 668 nm |
| **Formulation** | Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% Sodium Azide<br><br>*Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions. |

## APPLICATIONS

**Please Note:** *Optimal dilutions should be determined by each laboratory for each application. General Protocols are available in the Technical Information section on our website.*

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| **Western Blot** | Optimal dilution of this antibody should be experimentally determined. |
| **Immunohistochemistry** | Optimal dilution of this antibody should be experimentally determined. |

## PREPARATION AND STORAGE

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| **Shipping** | The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below. |
| **Stability & Storage** | Protect from light. Do not freeze. 12 months from date of receipt, 2 to 8 °C as supplied |

## BACKGROUND

Mouse BCAM (Basal cell adhesion molecule, B-CAM cell surface glycoprotein,Lutheran antigen, and CD239) is a 70-90 kDa membrane glycoprotein. BCAM has wide tissue distribution and is expressed on erythrocytes, the endothelium of blood vessels and on the basal layer of cells in the epithelia. The expression of BCAM in normal tissues is higher in fetal versus adult tissues. BCAM expression is also upregulated in activated keratinocytes and following malignant transformation in some cell types in vivo and in vitro. BCAM has been shown to be an adhesion molecule that binds laminin, a basement membrane protein involved in cell differentiation, adhesion, migration and proliferation. Over aa 1-541, mouse BCAM is 91% identical to rat BCAM.

## PRODUCT SPECIFIC NOTICES

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