

## Recombinant ALCAM (Activated Leukocyte Cell Adhesion Molecule) / CD166 Antibody

Mouse Monoclonal Antibody [Clone rALCAM/9811]

Catalog No	Format	Size
214-MSM1-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
214-MSM1-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
214-MSM1-P1ABX	Purified Ab WITHOUT BSA and Azide at 1.0mg/ml	100 ug

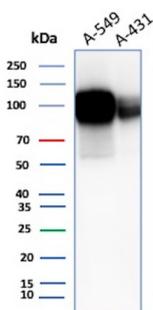
Applications	Tested Dillution	Note
Immunohistochemistry (IHC)	1-2ug/ml	30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes
Western Blot (WB)	2-4ug/ml	

### Product Details

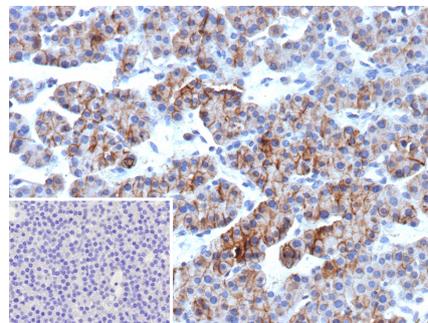
<b>Clone</b>	rALCAM/9811
<b>Gene Name</b>	ALCAM
<b>Immunogen</b>	Recombinant full-length human CD166 protein
<b>Host</b>	Mouse
<b>Clonality</b>	Monoclonal
<b>Isotype / Light Chain</b>	IgG2b / Kappa
<b>Mol. Weight of Antigen</b>	100-105kDa
<b>Cellular Localization</b>	Cell membrane
<b>Species Reactivity</b>	Human
<b>Positive Control</b>	Human tonsil, spleen, colon or parathyroid hormone.

\*Optimal dilution for a specific application should be determined.

### Product Images for Recombinant ALCAM (Activated Leukocyte Cell Adhesion Molecule) / CD166 Antibody



Western blot analysis of A-549 and A-431 cell lysates using CD166 Mouse Monoclonal Antibody (rALCAM/9811).



Formalin-fixed, paraffin-embedded human parathyroid hormone stained with ALCAM / CD166 Mouse Monoclonal Antibody (rALCAM/9811). Inset: PBS instead of primary antibody; secondary only negative control.

### Specificity & Comments

Activated leukocyte cell adhesion molecule (ALCAM), expressed on activated leukocytes, T cells, B cells and monocytes, is a member of the immunoglobulin superfamily (IgSF) and identified as a CD6 ligand. CD6 is a type I membrane protein in the scavenger receptor cysteine rich protein superfamily that acts in T cell adhesion and costimulation. ALCAM mediates thymocyte-thymic epithelial cell adhesion via homophilic (ALCAM-ALCAM) and heterophilic (ALCAM-CD6) interactions involving a previously undescribed protein-protein interaction between a member of the scavenger receptor cysteine rich protein superfamily and the immunoglobulin superfamily.

### Supplied As

200ug/ml of Ab Purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.

### Storage and Stability

Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

### Research Areas

Immuno Oncology, Immunology

## Limitations and Warranty

This antibody is available for research use only and is not approved for use in diagnosis. There are no warranties, expressed or implied, which extend beyond this description. Company is not liable for any personal injury or economic loss resulting from this product.

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