

CD137, Mouse Antibody

Rat Monoclonal Antibody [Clone LOB12]

Catalog No	Format	Size
RTM1-2012-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
RTM1-2012-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
RTM1-2012-P1ABX	Purified Ab WITHOUT BSA and Azide at 1.0mg/ml	100 ug

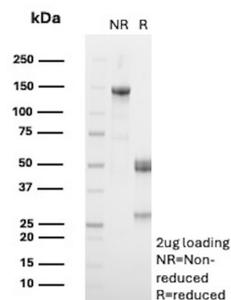
Applications	Tested Dillution	Note
Flow Cytometry (Flow)	1-2ug/million cells	
Immunofluorescence (IF)	1-3ug/ml	

Product Details

Clone	LOB12
Gene Name	TNFRSF9
Immunogen	Murine CD137 human Fc fusion protein
Host	Rat
Clonality	Monoclonal
Isotype / Light Chain	IgG2a / Kappa
Mol. Weight of Antigen	39kDa
Cellular Localization	Membrane
Species Reactivity	Mouse
Positive Control	MPBMC's or Thymus.

*Optimal dilution for a specific application should be determined.

Product Images for CD137, Mouse Antibody



SDS-PAGE Analysis of Purified CD137 Rat Monoclonal Antibody (411B-2a).
Confirmation of Purity and Integrity of Antibody.

Specificity & Comments

CD137 (4-1BB), a member of the tumor necrosis factor receptor superfamily, is a type I transmembrane glycoprotein expressed on the cell surface of activated splenic T cells and thymocytes. The functions of CD137 in T lymphocytes include regulating activation, proliferation and apoptosis. CD137 and CD28 are costimulatory molecules of T cell activation. Costimulatory molecules are important in initiating anti-tumor immune responses. CD137 plays an important role in regulating T-cell-dependent immune responses. Expression of CD137 correlates negatively with lymphocyte proliferation and positively with the degree of activation-induced cell death caused by mitogen overstimulation. In monocytes, CD137 induces activation, promotes adherence and prolongs survival. The LOB12.3 antibody is an agonistic antibody that has been shown to stimulate 4-1BB signaling and delay tumor growth in vivo when administered in combination with immune checkpoint inhibitors.

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.

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.
