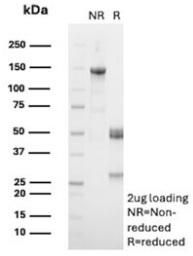
CD137 Antibody [clone LOB12] (V8353)

Catalog No.	Formulation	Size
V8353-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V8353-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V8353SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Mouse
Format	Purified
Clonality	Monoclonal (rat origin)
Isotype	Rat IgG2a, kappa
Clone Name	LOB12
Purity	Protein G affinity chromatography
UniProt	P20334
Localization	Cell surface, cytoplasmic
Applications	Flow Cytometry : 1-2ug/million cells Immunofluorescence : 1-3ug/ml
Limitations	This CD137 antibody is available for research use only.



SDS-PAGE analysis of purified, BSA-free CD137 antibody (clone LOB12) as confirmation of integrity and purity.

Description

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 growthin vivowhen administered in combination with immune checkpoint inhibitors.

Application Notes

Optimal dilution of the CD137 antibody should be determined by the researcher.

Immunogen

A murine CD137 human Fc fusion protein was used as the immunogen for the CD137 antibody.

Storage

Store the CD137 antibody at 2-8oC (with azide) or aliquot and store at -20oC or colder (without azide).

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