Catalog # 3604-MSM3
Product Datasheet

Recombinant CD137 / 4-1BB / TNFRSF9 Antibody

Mouse Monoclonal Antibody [Clone r4-1BB/4603]

Catalog No	Format	Size
3604-MSM3-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
3604-MSM3-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
3604-MSM3-P1ABX	Purified Ab WITHOUT BSA and Azide at 1.0mg/ml	100 ug

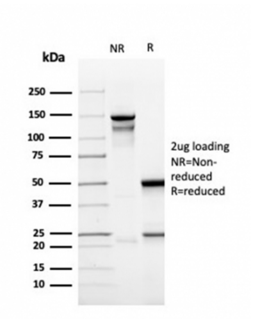
Applications	Tested Dilution	Note
Immunohistochemistry (IHC)	1-2ug/ml	30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes

Product Details

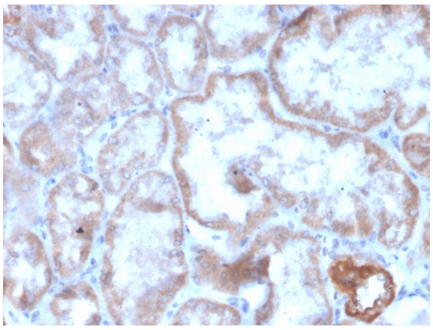
Clone	r4-1BB/4603
Gene Name	TNFRSF9
Immunogen	A recombinant fragment (around aa 19-188) of human CD137 protein (exact sequence is proprietary)
Host	Mouse
Clonality	Monoclonal
Isotype / Light Chain	IgG2a / Kappa
Mol. Weight of Antigen	32kDa (monomer); 85kDa (dimer)
Cellular Localization	Membrane
Species Reactivity	Human
Positive Control	HEK293 or Jurkat cells. Human kidney or thyroid cancer tissues. Expressed on the surface of activated T-cells.

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

Product Images for Recombinant CD137 / 4-1BB / TNFRSF9 Antibody



SDS-PAGE Analysis of Purified CD137 Recombinant Mouse Monoclonal Antibody (r4-1BB/4603). Confirmation of Purity and Integrity of Antibody.



Formalin-fixed, paraffin-embedded human kidney stained with CD137 Recombinant Mouse Monoclonal Antibody (r4-1BB/4603).

Specificity & Comments

CD137 belongs to the tumor necrosis factor receptor family and delivers a costimulatory signal to T lymphocytes. It is expressed on activated T cells and binds an inducible ligand that is found on B cells, macrophages and dendritic cells. Interactions between CD137 and its ligand are involved in antigen presentation and the generation of cytotoxic T cells. CD137 antibody may improve cancer treatment, and has been implicated in breast cancer, melanoma and lymphoma.

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

AKT Signaling, B Cell Markers, Cardiovascular, Cytokine Signaling, 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.