

Mouse anti-Human CD137/TNFRSF9 Monoclonal Antibody | anti-CD137/TNFRSF9 antibody

CD137/TNFRSF9 (BSB-159)

CATALOG # AAA59361	HOST Mouse	REACTIVITY Human
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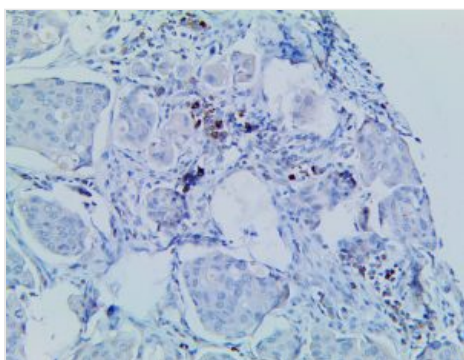
PRODUCT SYNONYMS

CD137/TNFRSF9; Monoclonal Antibody; CD137/TNFRSF9 (BSB-159); cd137; anti-cd137; tnfrsf9; anti-tnfrsf9; tumor necrosis factor receptor superfamily member 9; anti-CD137/TNFRSF9 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgM
Clone Number	BSB-159
Form/Format	Paraffin, Frozen CD137/TNFRSF9 is a mouse monoclonal antibody derived from cell culture supernatant that is concentrated, dialyzed, filter sterilized and diluted in buffer pH7.5, containing BSA and sodium azide as a preservative.
Immunogen	Synthetic peptide corresponding to the N-terminus of the human CD137 protein.
Control	Colon, Stomach, Tonsil, Testis, Transitional Cell Carcinoma, DBC, Hepatocellular Carcinoma, Diffuse Type Gastric Carcinoma
Localization	Nuclear, Membranous
Preparation and Storage	Store at 2-8 degree C (Control Slides: Store at 20-25 degree C)

IMAGES



IHC (Immunohistochemistry)

CD137 Antibody Immunohistochemistry on an FFPE Transitional Cell Carcinoma Tissue

Antibody Type	Dilution	Volume/Qty
Prediluted	Ready-To-Use	3.0 ml
Prediluted	Ready-To-Use	7.0 ml
Prediluted	Ready-To-Use	15.0 ml
Concentrated	1:25-1:100	0.1 ml
Concentrated	1:25-1:100	0.5 ml
Concentrated	1:25-1:100	1.0 ml
Control Slides		5

Dilution Info

ADDITIONAL INFORMATION

Related Product Information for anti-CD137/TNFRSF9 antibody	CD137, or tumor necrosis factor receptor superfamily member 9 (TNFRSF9), also known as 4-1BB, is encoded by the TNFRSF9 gene on chromosome 1p36.23. CD137/TNFRSF9 is expressed on the surface of certain immune cells, such as Follicular Dendritic Cells, Monocytes, Mast Cells and Granulocytes. CD137/TNFRSF9 is barely detected on resting T cells or T-cell lines, and expression of CD137 is therefore activation dependent. It is found on activated CD4+, CD8+ or Natural Killer Cells. Activation of CD137 by its ligand, CD137L, upregulates survival genes, enhances cell division, induces cytokine production, and prevents activation-induced cell death in T cells. One study demonstrated CD137 antibody positive IHC staining in a majority of Classical Hodgkin Lymphoma (CHL) tissues, indicating its usefulness as a test biomarker for CHL. CD137/TNFRSF9 was also found to be a highly specific immunohistochemical marker of Neoplastic Follicular Dendritic Cells. Another study investigated CD137/TNFRSF9 via IHC in malignant tumor cells and found that there was an enhanced expression of CD137/TNFRSF9 in blood vessel cells of malignant tumors compared to blood vessel cells in benign tumors or inflammatory tissues. Further studies indicate the value of CD137 antibody as a prognostic marker in Diffuse Large B-cell Lymphomas, tumor cell differentiation in Gastric Cancer as well as the correlation between CD137/TNFRSF9 expression and bone metastasis of Breast Cancer. CD137/TNFRSF9 is considerably up-regulated in human Gliomas when compared with normal brain tissue. In addition, data provides evidence for an immune cell-independent de novo expression pattern of CD137/TNFRSF9 in mainly non-neoplastic reactive astrocytes and excludes classic immunological cell types, namely lymphocytes and microglia as the source of CD37/TNFRSF9. Moreover, TNFRSF9 is predominantly expressed in a perivascular and peritumoural distribution with significantly higher expression in IDH-1 mutant gliomas.
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For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/monoclonal/cd137-tnfrsf9-antibody-clone-bsb-159-elisa/59361>