

DATASHEET

180303

Mouse Anti-CD137 Ligand (1C8E9)

PRODUCT NAME Anti – CD137 Ligand

BACKGROUND INFORMATION CD137 and CD137 ligand interaction is important in transplant rejection, pathogen clearance and protection against malignant diseases. The study of CD137 ligand may be used for evaluating the potential predictive and correlative functions in oncology in preclinical and clinical studies and may assist in answering certain crucial questions that may be useful for the study of Cancer.

PRODUCT DESCRIPTION This antibody is a monoclonal antibody that recognises the cytoplasmic domain of the CD137 ligand. CD137 ligand is expressed in B cell lymphoma and myeloma cell line.

FORMAT 100µg of lyophilized, purified antibody. Reconstitute to 100µl of distilled H₂O for 1µg/µl. It contains no additives.

HOST Mouse

CLONALITY Monoclonal

ISOTYPE Human IgG1

REACTIVITY/SPECIFICITY This antibody is highly specific for the cytoplasmic domain of the CD137 ligand.

APPLICATIONS RECOMMENDED Immunofluorescence (IF), Western Blot (WB), Immunoprecipitate (IP)

STARTING DILUTIONS IF / IP: 1:1000. WB: 1:500. Optimal dilution has to be determined by the user.

STORAGE Lyophilized antibody can be kept at 4°C for up to 3 months and should be kept at -20°C for long-term storage. To avoid freeze-thaw cycles, reconstituted antibody should be aliquoted before freezing for short-term storage (-20°C) or for long-term storage (-80°C). For maximum recovery of product, centrifuge the original vial prior to removing the cap. Further dilutions can be made in assay buffer.

STABILITY Minimum 1 year from reception date.

REFERENCES Dharmadhikari B, Nickles E, Harfuddin Z, Ishak NDB, Zeng Q, Bertoletti A, Schwarz H. CD137L dendritic cells induce potent response against cancer-associated viruses and polarize human CD8+ T cells to Tc1 phenotype. *Cancer Immunol Immunother* 2018, Mar 5.

Rajendran S, Ho WT, Schwarz H. CD137 signaling in Hodgkin and Reed-Sternberg cell lines induces IL-13 secretion, immune deviation and enhanced growth. *Oncoimmunology* 2016 Apr 29; 5(6).

Harfuddin Z, Dharmadhikari B, Wong SC, Duan K, Poidinger M, Kwajah S, Schwarz H. Transcriptional and functional characterization of CD137L-dendritic cells identifies a novel dendritic cell phenotype. *Sci Rep* 2016 Jul 19;629712

Dharmadhikari B, Wu M, Abdullah NS, Rajendran S, Ishak ND, Nickles E, Harfuddin Z, Schwarz H. CD137 and CD137L signals are man drivers of type 1, cell-mediated immune responses. *Oncoimmunology* 2015 Nov 11; 5(4)

Shao Z, Harfuddin Z, Pang WL, Nickles E, Koh LK, Schwarz H. Trogocytic CD137 transfer causes an internalization of CD137 ligand on murine APCs leading to reduced T cell costimulation. *J Leukoc. Biol.* 2015 May; 97

LIMITATIONS This product has to be used for research purposes only.

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