

#### DESCRIPTION

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|---------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Species Reactivity</b> | Mouse                                                                                                                                                                                                                                                                       |
| <b>Specificity</b>        | Detects mouse CCDC134 in direct ELISAs. In direct ELISAs, 100% cross-reactivity with recombinant human CCDC134 is observed.                                                                                                                                                 |
| <b>Source</b>             | Monoclonal Rat IgG <sub>2A</sub> Clone # 815606                                                                                                                                                                                                                             |
| <b>Purification</b>       | Protein A or G purified from hybridoma culture supernatant                                                                                                                                                                                                                  |
| <b>Immunogen</b>          | Mouse myeloma cell line NS0-derived recombinant mouse CCDC134<br>Ala23-Leu229<br>Accession # Q8C7V8                                                                                                                                                                         |
| <b>Conjugate</b>          | Alexa Fluor 647<br>Excitation Wavelength: 650 nm<br>Emission Wavelength: 668 nm                                                                                                                                                                                             |
| <b>Formulation</b>        | Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% Sodium Azide<br><br>*Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions. |

#### APPLICATIONS

**Please Note:** Optimal dilutions should be determined by each laboratory for each application. [General Protocols](#) are available in the Technical Information section on our website.

**Western Blot** Optimal dilution of this antibody should be experimentally determined.

#### PREPARATION AND STORAGE

|                                |                                                                                                                   |
|--------------------------------|-------------------------------------------------------------------------------------------------------------------|
| <b>Shipping</b>                | The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below. |
| <b>Stability &amp; Storage</b> | Protect from light. Do not freeze. 12 months from date of receipt, 2 to 8 °C as supplied                          |

#### BACKGROUND

Coiled-coil domain containing 134 (CCDC134) is a widely expressed glycoprotein that is secreted as a 38 kDa molecule. CCDC134 overexpression inhibits kinase activity in the Raf-1/MEK/ERK and JNK/SAPK pathways. In humans, CCDC134 polymorphisms are associated with reduced levels of Amyloid beta peptide (1-42) in the cerebrospinal fluid, a potential biomarker for Alzheimer's disease. Alternative splicing of mouse CCDC134 generates a short isoform that lacks the N-terminal 37 amino acids including the signal peptide. Mouse CCDC134 shares 90% and 95% aa sequence identity with human and rat CCDC134, respectively.

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