

DESCRIPTION

Species Reactivity	Mouse
Specificity	Detects mouse CCDC134 in direct ELISAs. In direct ELISAs, 100% cross-reactivity with recombinant human CCDC134 is observed.
Source	Monoclonal Rat IgG _{2A} Clone # 815606
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	Mouse myeloma cell line NS0-derived recombinant mouse CCDC134 Ala23-Leu229 Accession # Q8C7V8
Conjugate	Alexa Fluor 405 Excitation Wavelength: 405 nm Emission Wavelength: 421 nm
Formulation	Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% Sodium Azide *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

Shipping	The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.
Stability & Storage	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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