

DESCRIPTION

Species Reactivity	Human
Specificity	Detects a synthetic peptide specific for human CFL1 around aa 30 in Direct ELISA.
Source	Monoclonal Mouse IgG _{2B} Clone # 1093310
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	Synthetic Peptide Accession # P23528
Conjugate	Alexa Fluor 647 Excitation Wavelength: 650 nm Emission Wavelength: 668 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.
Immunocytochemistry	Optimal dilution of this antibody should be experimentally determined.
Immunohistochemistry	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

Cofilin-1 (CFL1) is an 18.5 kDa protein that is a member of the actin depolymerization factor (ADF) family. It is involved in the biological activities of various malignancies, including infiltration, metastasis, and chemotherapy resistance. Overexpression of CFL1 is associated with aggressive features and poor prognosis in malignancies. CFL1 also plays a crucial role in B cell, T cell infiltration, cytokine and NF-κB signaling pathways and can serve as a useful biomarker for diagnosis of inflammatory diseases.

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