

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human RIPK3/RIP3 in direct ELISAs.
Source	Monoclonal Mouse IgG ₁ Clone # 780115
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	<i>E. coli</i> -derived recombinant human RIPK3/RIP3 Met1-Arg218 Accession # Q9Y572
Conjugate	Alexa Fluor 700 Excitation Wavelength: 675-700 nm Emission Wavelength: 723 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.
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

RIP3 (Receptor-Interacting Protein 3), also known as RIPK3, is a 518 amino acid (aa), 60 kDa phosphoprotein that contains an N-terminal protein kinase domain and a C-terminal interaction motif with which it binds RIP1. It converts cell response to TNF-α from apoptosis (RIP1 via Fas) to programmed necrosis (RIP1/RIP3) by inducing reactive oxygen species production. Human RIP3 (aa 1-218) shares approximately 74% aa sequence identity with mouse and rat RIP3. Alternately spliced human b (252 aa) and g (231 aa) isoforms diverge after aa 219 and 221, respectively, and are found to antagonize RIP3.

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