

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human Rad51 in direct ELISAs.
Source	Monoclonal Mouse IgG ₃ Clone # 523701
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	<i>E. coli</i> -derived recombinant human Rad51 Val174-Asp339 Accession # Q06609
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.

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

Human Rad51 is a 339 amino acids, 37kDa protein that plays an important role in homologous strand exchange, a key step in DNA repair through homologous recombination. RAD51 family members are homologous to the bacterial RecA and yeast Rad51 and are highly conserved in most eukaryotes, from yeast to humans. Different splice variants of the human RAD51 gene have been found.

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