Human Bad Alexa Fluor® 488-conjugated Antibody

Monoclonal Mouse IgG_{2A} Clone # 612312

Catalog Number: FAB6405G

100 µg

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human Bad in direct ELISAs. In direct ELISAs, no cross-reactivity with recombinant mouse (rm) Bad (aa 1-130), rmBcl-2α, recombinant human (rh) Bcl-2, or rhBCL2L12 is observed.
Source	Monoclonal Mouse IgG_{2A} Clone # 612312
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	*E. coli*-derived recombinant human Bad Met1-Gln168 Accession # Q92934
Conjugate	Alexa Fluor 488 Excitation Wavelength: 488 nm Emission Wavelength: 515-545 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.*

Knockout Validated	Optimal dilution of this antibody should be experimentally determined.
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

Bcl-2 antagonist of cell death (Bad) is a 23 kDa cytoplasmic protein in the Bcl-2 family. It functions as a pro-apoptotic molecule by dimerizing with and inhibiting the anti-apoptotic proteins Bcl-2 and Bcl-xL. Prosurvival signals trigger the phosphorylation of Bad on Ser115, disrupting its interaction with Bcl-2 and Bcl-xL and resulting in protection from apoptosis. Human Bad shares 75% aa sequence identity with mouse and rat Bad.

PRODUCT SPECIFIC NOTICES

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