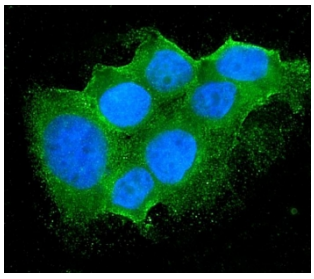
Bid Antibody [clone 10F4] (RQ5945)

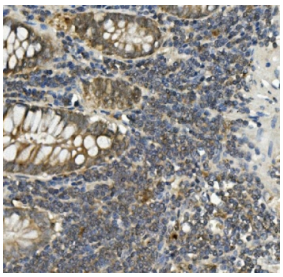
Catalog No.	Formulation	Size
RQ5945	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

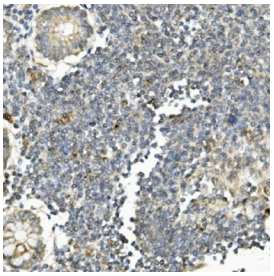
Availability	1-3 business days
Species Reactivity	Human
Format	Antigen affinity purified
Host	Mouse
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG2b
Clone Name	10F4
Purity	Affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose and 0.025% sodium azide
UniProt	P55957
Applications	Western Blot : 0.5-1ug/ml Immunohistochemistry (FFPE) : 1-2ug/ml Flow Cytometry : 1-3ug/million cells Immunofluorescence : 2-4ug/ml
Limitations	This Bid antibody is available for research use only.



Immunofluorescent staining of FFPE human MCF7 cells with Bid antibody (green) and DAPI nuclear stain (blue). HIER: steam section in pH6 citrate buffer for 20 min.



IHC staining of FFPE human rectal cancer with Bid antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



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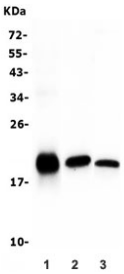
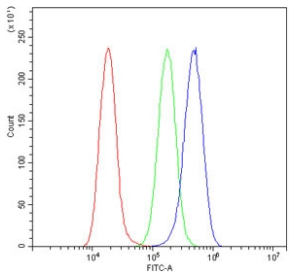


Western blot testing of human 1) Jurkat, 2) A549 and 3) HEK293 lysate with Bid antibody. Predicted molecular weight ~22 kDa.



Flow cytometry testing of human A549 cells with Bid antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= Bid antibody.

Description

BID (BH3-Interacting Domain Death Agonist), is a pro-apoptotic member of the Bcl-2 protein family. The BCL2 family of proteins consists of both antagonists and agonists that regulate apoptosis and compete through dimerization. By fluorescence in situ hybridization, Wang et al. (1998) mapped the human BID gene to 22q11. Luo et al. (1998) reported the purification of a cytosolic protein that induces cytochrome c release from mitochondria in response to caspase-8, the apical caspase activated by cell surface death receptors such as FAS and TNF.

Application Notes

Optimal dilution of the Bid antibody should be determined by the researcher.

Immunogen

Recombinant human protein (amino acids M1-VD195) was used as the immunogen for the Bid antibody.

Storage

After reconstitution, the Bid antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.