# Bh3 Interacting Domain Death Agonist (BID) ELISA Kit for Donkey

## PRODUCT OVERVIEW

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| **Product Name** | Bh3 Interacting Domain Death Agonist (BID), ELISA Kit |
| **Full Product Name** | Donkey Bh3 Interacting Domain Death Agonist ELISA Kit |
| **Product Gene Name** | BID elisa kit |
| **Species Reactivity** | Donkey |
| **Preparation and Storage** | Store all reagents at 2-8 degree C |
| **Molecular Weight** | 21,995 Da |
| **Chromosome Location** | Chromosome: 22; NC_000022.10 (18216906..18257431, complement). Location: 22q11.1 |
| **OMIM** | 601997 |
| **3D Structure** | ModBase 3D Structure for P55957 |
| **Related Product Information for BID elisa kit** | MBS062599 is a ready-to-use microwell, strip-or-full plate ELISA (enzyme-linked immunosorbent assay) Kit for analyzing the presence of the Bh3 Interacting Domain Death Agonist (BID) ELISA Kit target analytes in biological samples. The concentration gradients of the kit standards or positive controls render a theoretical kit detection range in biological research samples containing BID. The ELISA analytical biochemical technique of the MBS062599 kit is based on BID antibody-BID antigen interactions (immunosorbency) and an HRP colorimetric detection system to detect BID antigen targets in samples. The ELISA Kit is designed to detect native, not recombinant, BID. Appropriate sample types may include undiluted body fluids and/or tissue homogenates, secretions. Quality control assays assessing reproducibility identified the intra-assay CV (%) and inter-assay CV(%). |
| **Other Notes** | Small volumes of BID elisa kit vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply. |

## ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for BID. It may not necessarily be applicable to this product.

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| **NCBI GI #** | 3540247 |
| **NCBI GeneID** | 637 |
| **NCBI Accession #** | AAC34365.1 |
| **UniProt Primary Accession #** | P55957 |
| **UniProt Secondary Accession #** | Q549M7; Q71T04; Q7Z4M9; Q8IY86 |
| **UniProt Related Accession #** | P55957 |
| **NCBI Official Full Name** | BH3 interacting domain death agonist |
| **NCBI Official Synonym Full Names** | BH3 interacting domain death agonist |
| **NCBI Official Symbol** | BID |
| **NCBI Official Synonym Symbols** | FP497 |
| **UniProt Protein Name** | BH3-interacting domain death agonist |
| **UniProt Synonym Protein Names** | p22 BID; BIDCleaved into the following 3 chains:BH3-interacting domain death agonist p15; Alternative name(s):; p15 BIDBH3-interacting domain death agonist p13; Alternative name(s):; p13 BIDBH3-interacting domain death agonist p11; Alternative name(s):; p11 BID |

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| **Protein Family** | BH3-interacting domain death agonist |
| **UniProt Gene Name** | BID |
| **UniProt Synonym Gene Names** | BID |
| **UniProt Entry Name** | BID_HUMAN |
| **NCBI Protein Information** | BH3-interacting domain death agonist; p22 BID; BID isoform Si6; BID isoform L(2); BID isoform ES(1b); desmocollin type 4; apoptic death agonist; Human BID coding sequence |
| **NCBI Summary for BID** | This gene encodes a death agonist that heterodimerizes with either agonist BAX or antagonist BCL2. The encoded protein is a member of the BCL-2 family of cell death regulators. It is a mediator of mitochondrial damage induced by caspase-8 (CASP8); CASP8 cleaves this encoded protein, and the COOH-terminal part translocates to mitochondria where it triggers cytochrome c release. Multiple alternatively spliced transcript variants have been found, but the full-length nature of some variants has not been defined. [provided by RefSeq, Jul 2008] |
| **UniProt Comments for BID** | BID: a pro-apoptotic member of the Bcl-2 superfamily. Targets intracellular membranes and contains a BH3 death domain. Heterodimerizes with either the pro-apoptotic protein BAX or the anti-apoptotic protein BCL2, antagonizing its protective effect. The activity of BID is regulated by Caspase 8-mediated cleavage, exposing the BH3 domain and significantly changing the surface charge and hydrophobicity, causing translocation to mitochondria where it triggers cytochrome c release. Multiple alternatively spliced variants have been found.<br><br>Protein type: Mitochondrial; Apoptosis<br><br>Chromosomal Location of Human Ortholog: 22q11.1<br><br>Cellular Component: mitochondrial outer membrane; mitochondrion; membrane; cytosol<br><br>Molecular Function: protein binding; ubiquitin protein ligase binding; death receptor binding<br><br>Biological Process: caspase activation; positive regulation of protein oligomerization; apoptotic mitochondrial changes; release of cytochrome c from mitochondria; neuron apoptosis; induction of apoptosis via death domain receptors; apoptosis; positive regulation of protein homooligomerization; positive regulation of apoptosis; DNA damage response, signal transduction; brain development; protein targeting to mitochondrion; response to estradiol stimulus; protein homooligomerization; regulation of cell proliferation |
| **Research Articles on BID** | **1.** Data indicate that recombinant (r)IL-24 stimulated the mitochondrial apoptotic pathway genes Bax, Bid, Casp8, COX6C, COX7B after 36 h. |
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