

Human Caspase 3 AccuSignal ELISA Kit - KOA0860

Code: KOA0860

Size: 1 Kit

Product Description: Human Caspase 3 AccuSignal ELISA Kit - KOA0860

PhysicalState:

Label	Unconjugated								
Gene Name	Caspase 3								
Species Reactivity	Human								
Storage Condition	Store vials at 4°C prior to opening. Centrifuge product if not completely clear after standing at room temperature. This product is stable for 6 months at 4°C as an undiluted liquid. Dilute only prior to immediate use. For extended storage freeze at -20°C or below for 12 months. Avoid cycles of freezing and thawing.								
Synonyms	CASP-3, CASP3, CASP 3, Caspase-3, Caspase3, Caspase 3, SCA-1, SCA 1, SCA1								
Application Note	Useful in Sandwich ELISA for Quantitative Detection of Antigen. Aliquot 0.1ml per well of the 2000pg/ml, 1000pg/ml, 500pg/ml, 250pg/ml, 125pg/ml, 62.5pg/ml, 31.2pg/ml human Caspase 3 standard solutions into the precoated 96-well plate. Add 0.1ml of the sample diluent buffer into the control well (Zero well). Add 0.1ml of each properly diluted sample of human cell culture supernates, tissue homogenates or serum to each empty well. It is recommended that each human Caspase 3 standard solution and each sample be measured in duplicate.								
Background	Caspase-3 is a caspase protein that is encoded by the CASP3 gene. This gene encodes a protein which is a member of the cysteine-aspartic acid protease (caspase) family. Sequential activation of caspases plays a central role in the execution-phase of cell apoptosis. Caspases exist as inactive proenzymes which undergo proteolytic processing at conserved aspartic residues to produce two subunits, large and small, that dimerize to form the active enzyme. This protein cleaves and activates caspases 6, 7 and 9, and the protein itself is processed by caspases 8, 9 and 10. It is the predominant caspase involved in the cleavage of amyloid-beta 4A precursor protein, which is associated with neuronal death in Alzheimer's disease. Alternative splicing of this gene results in two transcript variants that encode the same protein.								
Purity And Specificity	Natural and recombinant human Caspase 3. There is no detectable cross-reactivity with other relevant proteins.								
ELISA	31.2pg/ml-2000pg/ml								
Expiration	See kit insert for complete instructions.								
Immunogen	Expression system for standard: E.coli; Immunogen sequence: S29-D175&A183-H277								
Related Products	<table border="0"> <tr> <td>MB-008</td> <td>10X PBS pH 7.2 (0.2 M Potassium Phosphate 1.5 M Sodium Chloride) - MB-008</td> </tr> <tr> <td>MB-012</td> <td>10X TBS pH 7.5 (1.0 M Tris HCl 1.5 M Sodium Chloride) - MB-012</td> </tr> <tr> <td>MB-013</td> <td>10X TTBS pH 7.5 (1.0 M Tris HCl 1.5 M Sodium Chloride 0.1% (w/v) Tween-20) - MB-013</td> </tr> <tr> <td>MB-075-1000</td> <td>10X PBST (0.2 M Potassium Phosphate 1.5 M Sodium Chloride, 0.5% (v/v) Tween-20, pH 7.2) - MB-075-1000</td> </tr> </table>	MB-008	10X PBS pH 7.2 (0.2 M Potassium Phosphate 1.5 M Sodium Chloride) - MB-008	MB-012	10X TBS pH 7.5 (1.0 M Tris HCl 1.5 M Sodium Chloride) - MB-012	MB-013	10X TTBS pH 7.5 (1.0 M Tris HCl 1.5 M Sodium Chloride 0.1% (w/v) Tween-20) - MB-013	MB-075-1000	10X PBST (0.2 M Potassium Phosphate 1.5 M Sodium Chloride, 0.5% (v/v) Tween-20, pH 7.2) - MB-075-1000
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Related Links	<p>UniProtKB - P42574</p> <p>http://www.uniprot.org/uniprot/P42574</p> <p>NCBI - http://www.ncbi.nlm.nih.gov/protein/NP_004337.2</p> <p>NP_004337.2</p> <p>GeneID - 836</p> <p>http://www.ncbi.nlm.nih.gov/sites/entrez?db=gene&term=836</p> <p>KOA0860 Protocol http://www.rockland-inc.com/uploadedfiles/Support/KOA0860.pdf</p>								

Disclaimer

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