

## p38 MAPK elisa kit

Phospho-p38 MAPK (Thr179+Tyr181) Fluorometric Cell-Based ELISA Kit

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| CATALOG #<br><b>AAA315588</b> | REACTIVITY<br><b>Human, Mouse, Rat</b> |
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### PRODUCT SYNONYMS

p38 MAPK; Phospho-p38 MAPK (Thr179+Tyr181) Fluorometric Cell-Based ELISA Kit; protein; kinase p38-alpha; MAP kinase MXI2; MAP kinase p38; MAPK14; MAX-interacting protein 2; Mitogen-activated protein kinase 14; Mitogen-activated protein kinase p38; MK14; MXI2; p38 MAPK elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                                                                                                                                |
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| Reactivity              | Human, Mouse, Rat                                                                                                                                                                                                                                                              |
| Specificity             | The Anti-p38 MAPK (Phospho-Thr179+Tyr181) Antibody is a rabbit polyclonal antibody. It was tested on Western Blots for specificity. The data in Figure 2 shows that a single protein band was detected. This protein band can be blocked by the synthesized immunogen peptide. |
| Form/Format             | Two 96-Well Plates                                                                                                                                                                                                                                                             |
| Sequence Length         | 360                                                                                                                                                                                                                                                                            |
| Assay Type              | Phospho Cell-Based ELISA                                                                                                                                                                                                                                                       |
| Reactivity Note         | Human: T180+Y182, Mouse: T180+Y182, Rat: T180+Y182                                                                                                                                                                                                                             |
| Detection Method        | Fluorometric                                                                                                                                                                                                                                                                   |
| Preparation and Storage | Store at 4 degree C.                                                                                                                                                                                                                                                           |

### ADDITIONAL INFORMATION

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| Related Product Information for p38 MAPK elisa kit | Background: The Fluorometric Cell-Based ELISA Kit allows for the detection of various target proteins and the effects that certain stimulation conditions have on target protein expression in different cell lines. Qualitative determination of target protein concentration is achieved by an indirect ELISA format. In essence, the target protein is captured by target-specific primary (1 degree) antibodies while Dye 1-conjugated and Dye 2-conjugated secondary (2 degree) antibodies bind the Fc region of the 1 degree antibody. Through this binding the dye conjugated to the 2 degree antibody can emit light at a certain wavelength given proper excitation, hence allowing for a fluorometric detection method. A monoclonal antibody specific for human GAPDH is included to serve as an internal positive control in normalizing the target RFU values. If a phosphorylated target is being detected, an antibody against the nonphosphorylated counterpart will be provided for normalization purposes. The RFU values obtained for the non-phosphorylated target can be used to normalize the RFU value for the phosphorylated target. |
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### NCBI AND UNIPROT INFORMATION

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|---------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| NCBI GI #                 | <a href="#">4503069</a>                                                                                                                                                                                                        |
| NCBI GeneID               | <a href="#">1432</a>                                                                                                                                                                                                           |
| NCBI Accession #          | <a href="#">NP_001306.1</a>                                                                                                                                                                                                    |
| NCBI GenBank Nucleotide # | <a href="#">NM_001315.2</a>                                                                                                                                                                                                    |
| UniProt Accession #       | <a href="#">Q16539</a> ; <a href="#">O60776</a> ; <a href="#">Q13083</a> ; <a href="#">Q14084</a> ; <a href="#">Q8TDX0</a> ; <a href="#">A6ZJ92</a> ; <a href="#">A8K6P4</a> ; <a href="#">B0LPH0</a> ; <a href="#">B5TY32</a> |
| Molecular Weight          | 41293                                                                                                                                                                                                                          |
| NCBI Official Full Name   | mitogen-activated protein kinase 14 isoform 1                                                                                                                                                                                  |

|                                  |                                                                                                                            |
|----------------------------------|----------------------------------------------------------------------------------------------------------------------------|
| NCBI Official Synonym Full Names | mitogen-activated protein kinase 14                                                                                        |
| NCBI Official Symbol             | MAPK14                                                                                                                     |
| NCBI Official Synonym Symbols    | RK; p38; CSBP; EXIP; Mxi2; CSBP1; CSBP2; CSPB1; PRKM14; PRKM15; SAPK2A; p38ALPHA                                           |
| NCBI Protein Information         | mitogen-activated protein kinase 14                                                                                        |
| UniProt Protein Name             | Mitogen-activated protein kinase 14                                                                                        |
| UniProt Gene Name                | <b>MAPK14</b>                                                                                                              |
| UniProt Synonym Gene Names       | CSBP; CSBP1; CSBP2; CSPB1; MXI2; SAPK2A; MAP kinase 14; MAPK 14; CSAID-binding protein; CSBP; MAP kinase p38 alpha; SAPK2a |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/human-mouse-rat-elisa-kits/p38-mapk/315588>