

## Sheep Mitogen Activated Protein Kinase ELISA Kit | MAPK elisa kit

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CATALOG #  
**AAA92950**

REACTIVITY  
**Sheep**

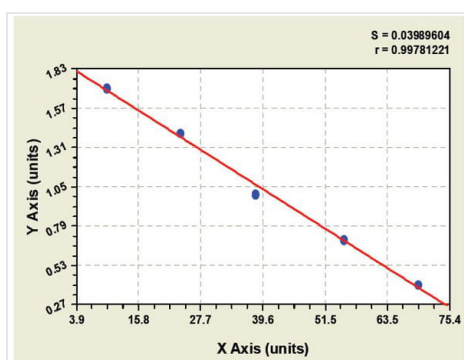
### PRODUCT SYNONYMS

Mitogen Activated Protein Kinase; Sheep Mitogen Activated Protein Kinase ELISA Kit; MAPK elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                                        |
|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity              | Sheep                                                                                                                                                                                  |
| Samples                 | Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate                                                                                                             |
| Assay Type              | Competitive                                                                                                                                                                            |
| Sensitivity             | 0.1 ng/mL.                                                                                                                                                                             |
| Intended Uses           | This MAPK ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Sheep MAPK. This ELISA kit for research use only, not for therapeutic applications! |
| Preparation and Storage | Store all reagents at 2-8 degree C.                                                                                                                                                    |

### IMAGES



Standard Curve (Sample)

### ADDITIONAL INFORMATION

#### Related Product Information for MAPK elisa kit

**Principle of the Assay:** MAPK ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-MAPK antibody and an MAPK-HRP conjugate. The assay sample and buffer are incubated together with MAPK-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the MAPK concentration since MAPK from samples and MAPK-HRP conjugate compete for the anti-MAPK antibody binding site. Since the number of sites is limited, as more sites are occupied by MAPK from the sample, fewer sites are left to bind MAPK-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The MAPK concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

|                         |              |
|-------------------------|--------------|
| NCBI GI #               | 148750945    |
| Molecular Weight        | 42,949 Da    |
| NCBI Official Full Name | MAPK         |
| UniProt Protein Name    | MAPK         |
| UniProt Gene Name       | <b>MAPK</b>  |
| UniProt Entry Name      | B1N8Y5_9ROSA |

**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://stage.aaabiotech.com/mapk-sheep-elisa-kits/mitogen-activated-protein-kinase/92950>