

## Product datasheet for **AM00081PU-N**

### **JNK1 (MAPK8) (N-term) (incl. pos. control) Mouse Monoclonal Antibody [Clone ID: 5D10]**

#### Product data:

|                        |   |
|------------------------|---|
| Product Type:          | Primary Antibodies  |
| Clone Name:            | 5D10  |
| Applications:          | ELISA, IHC, WB  |
| Recommended Dilution:  | <u>Western Blot</u> : 0.5 µg/ml for HRPO/ECL detection.<br>Recommended blocking buffer: Casein/Tween 20 based blocking and blot incubation buffer.<br>Positive Control: Cell lysate from untreated HepG2 cells.<br><u>ELISA</u> : 0.05 µg/ml.<br><u>Immunohistochemistry on frozen sections</u> . |
| Reactivity:            | Canine, Human, Mouse, Rat   |
| Host:                  | Mouse   |
| Isotype:               | IgG1  |
| Clonality:             | Monoclonal  |
| Immunogen:             | Synthetic peptide conjugated to KLH.  |
| Specificity:           | This antibody specifically interacts with the N-terminus of SAPK1γ/jnk1 kinases.  |
| Formulation:           | 1 ml 2 x PBS / 0.1 % Na-azide / PEG and Sucrose<br>State: Purified<br>State: Lyophilized purified IgG   |
| Reconstitution Method: | Restore with 1 ml H <sub>2</sub> O (15 min, RT).  |
| Purification:          | Size exclusion chromatography   |
| Conjugation:           | Unconjugated  |
| Storage:               | Store lyophilized (preferably in a desiccator) at -20°C and reconstituted (aliquote and freeze in liquid nitrogen) at -80°C.<br>Avoid repeated freezing and thawing.<br>Thaw aliquots at 37°C. Thawed aliquots may be stored at 4°C up to 3 months.   |
| Stability:             | Shelf life: one year from despatch.   |
| Gene Name:             | mitogen-activated protein kinase 8  |
| Database Link:         | <u><a href="#">Entrez Gene 5599 Human P45983</a></u>  |



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- Background:** Stress-activated Protein Kinases (SAPKs) are strongly activated in response to adverse stimuli such as heat and osmotic shock, UV light and other DNA-damaging reagents, and inhibitors of protein synthesis. They are also activated strongly in response to agonists that are released or produced under conditions of stress, such as proinflammatory cytokines. The SAPK1/jnk family consists of 3 isoforms: SAPK1 $\alpha$ /jnk2; SAPK1 $\beta$ /jnk3; SAPK1 $\gamma$ /jnk1.
- Synonyms:** Mitogen-activated protein kinase 8, c-Jun N-terminal kinase 1, JNK-46, JNK-1, PRKM8