

Product datasheet for **AM00008PU-N**

BAD Mouse Monoclonal Antibody [Clone ID: 5E6]

Product data:

| | |
|------------------------|---|
| Product Type: | Primary Antibodies |
| Clone Name: | 5E6 |
| Applications: | IF, IP, WB |
| Recommended Dilution: | Immunoprecipitation: 1-2 µg/ml. Also suitable for Western blotting if cells overexpressing BAD are used (0.5 µg/ml for HRPO/ECL detection). <i>Recommended blocking buffer:</i> Casein/Tween 20 based blocking and blot incubation buffer. Immunocytochemistry. Note: We recommend to use mab BAD-5E6 for IP applications. The mab is also suitable for Western-blot applications if cells overexpressing BAD are used. |
| Reactivity: | Human |
| Host: | Mouse |
| Isotype: | IgG1 |
| Clonality: | Monoclonal |
| Immunogen: | Recombinant Human BAD. |
| Specificity: | This antibody specifically binds the BAD protein but does not recognize BAD/Bcl-2 heterodimers in Immunoprecipitation assays. |
| Formulation: | 1 ml 2 x PBS / 0.09% Sodium Azide / PEG and Sucrose State: Purified State: Lyophilized purified IgG fraction. |
| Reconstitution Method: | Restore with 1 ml H ₂ O (15 min, RT). |
| Purification: | Subsequent Thiophilic Adsorption and Size Exclusion Chromatography |
| Conjugation: | Unconjugated |
| Storage: | For long-term storage, freeze lyophilizate upon arrival (-20°C). Upon reconstitution, aliquote and freeze in liquid nitrogen. Thaw aliquots at 37°C. Thawed aliquots may be stored at 4°C up to 3 months. Avoid repeated freezing and thawing. |
| Stability: | Shelf life: one year from despatch. |



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Gene Name: BCL2 associated agonist of cell death

Database Link: [Entrez Gene 572 Human Q92934](#)

Background: BAD is an important regulatory protein controlling cell survival/apoptosis. Unphosphorylated BAD heterodimerizes with Bcl-2 and Bcl-XL, thus neutralizing the anti-apoptotic properties of the Bcl proteins. Activation of different signal transduction pathways leads to phosphorylation of BAD at multiple serine residues, e.g. phosphorylation of serine 136 by PKB, serine 112 by MAPK, and serine 155 by PKA, and dissociation of the BAD/Bcl heterodimers.

Synonyms: BAD, BBC6, BCL2L8, Bcl-2-like protein 8, Bcl2-L-8

Note: **Molecular Weight.** 19 kDa