

## Product datasheet for **TA160002**

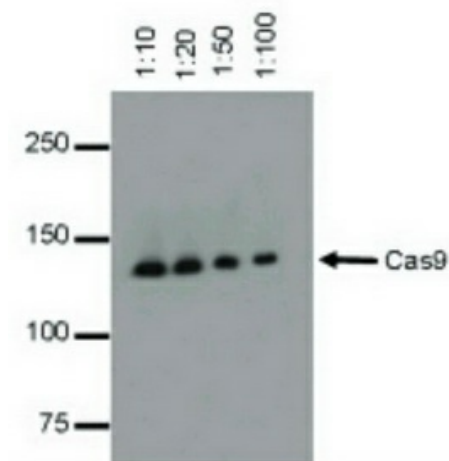
### CAS9 Mouse Monoclonal Antibody

#### Product data:

|                       |   |
|-----------------------|---|
| Product Type:         | Primary Antibodies  |
| Applications:         | WB  |
| Recommended Dilution: | WB: 1:100   |
| Reactivity:           | Streptococcus Pyogenes  |
| Host:                 | Mouse   |
| Isotype:              | IgG1, kappa   |
| Clonality:            | Monoclonal  |
| Immunogen:            | Monoclonal antibody raised in mouse against the Cas9 nuclease (CRISPR-associated protein 9) coupled to HRP  |
| Formulation:          | Liquid. Purified antibody supplied in Guardian Peroxidase Conjugate Stabilizer  |
| Purification:         | Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)   |
| Conjugation:          | Unconjugated  |
| Storage:              | Store at -20°C as received.   |
| Stability:            | Stable for 12 months from date of receipt.  |
| Background:           | The CRISPR/Cas9 (CRISPR-associated protein 9 nuclease) system uses a RNA-guided endonuclease technology which allows for inducing indel mutations, specific sequence replacements or insertions and large deletions or genomic rearrangements at any desired location in the genome. In addition, Cas9 can also be used to mediate up- or downregulation of specific endogenous genes or to alter histone modifications or DNA methylation. |



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**Product images:**

Western blot was performed on protein extracts from HeLa cells transfected with a FLAG-tagged Cas9 using the Cas9 antibody. The antibody was used at different dilutions. The marker is shown on the left, the position of the FLAG-tagged Cas9 protein is indicated on the right.