For research purposes only, not for human use

# Product Data Sheet

# Recombinant Anti-Flag-tag Mouse mAb

| Catalog # | Source | Reactivity | Applications |
|---|---|---|---|
| CMA3015 | Mouse | N/A | WB, IF/IC, IP |

| | |
|---|---|
| **Description** | Recombinant mouse monoclonal antibody to FLAG-tag |
| **Immunogen** | KLH-conjugated synthetic peptide encompassing a sequence of FLAG-tag. The exact sequence is proprietary. |
| **Purification** | This antibody is purified by protein A affinity chromatography. |
| **Specificity** | Recognizes C-terminal, internal, and N-terminal FLAG-tag fusion proteins |
| **Clonality** | Monoclonal |
| **Conjugation** | |
| **Form** | Liquid in PBS, pH 7.4, containing 50% glycerol, 0.05% BSA and 0.01% sodium azide. |
| **Dilution** | WB (1/2000 - 1/5000), IF/IC (1/200 - 1/500), IP (1/100 - 1/200) |
| **Gene Symbol** | |
| **Alternative Names** | |
| **Entrez Gene** | |
| **SwissProt** | |
| **Storage/Stability** | Shipped at 4°C. Upon delivery aliquot and store at -20°C for one year. Avoid freeze/thaw cycles. |

**Application key:** E- ELISA, WB- Western blot, IH- Immunohistochemistry, IF- Immunofluorescence, FC- Flow cytometry, IC- Immunocytochemistry, IP- Immunoprecipitation, ChIP- Chromatin Immunoprecipitation, EMSA- Electrophoretic Mobility Shift Assay, BL- Blocking, SE- Sandwich ELISA, CBE- Cell-based ELISA, RNAi- RNA interference
**Species reactivity key:** H- Human, M- Mouse, R- Rat, B- Bovine, C- Chicken, D- Dog, G- Goat, Mk- Monkey, P- Pig, Rb- Rabbit, S- Sheep, Z- Zebrafish

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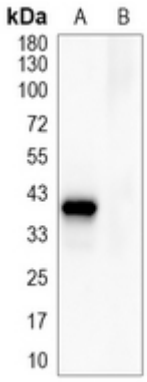
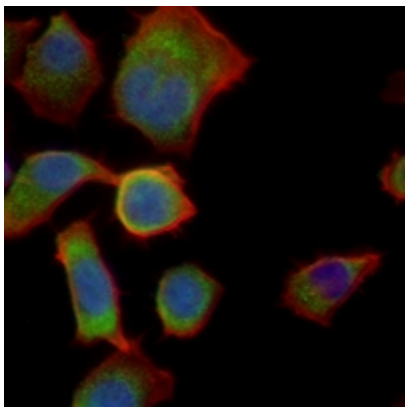



Western blot analysis of Flag-tag in 293F transfected with a vector overexpressing Flag tag (A), 293F transfected with an empty vector (B).



Immunofluorescent analysis of FLAG-tag staining in 293T cells transfected with a Flag-tag protein. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a hidified chamber. Cells were washed with PBST and incubated with a AF488-conjugated secondary antibody (green) in PBS at room temperature in the dark. Phalloidin - AF594 was used to stain Actin filaments (red). DAPI was used to stain the cell nuclei (blue).

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