



Product Data Sheet

## Flag-Tag Monoclonal Antibody

Catalog Number: ORF.FLAGMAB-50

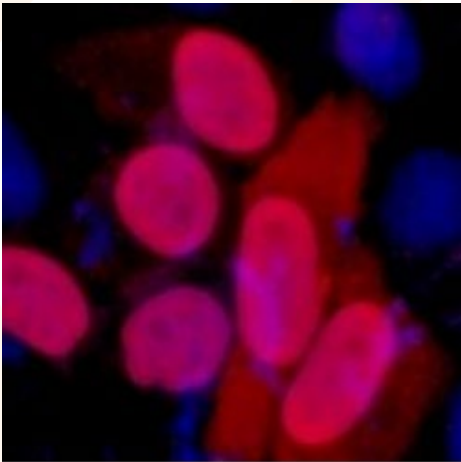
| Product Details |                                                                 |
|-----------------|-----------------------------------------------------------------|
| Product Name    | Flag-Tag Monoclonal Antibody                                    |
| Catalog Number  | ORF.FLAGMAB-50                                                  |
| Size            | 50 µL                                                           |
| Concentration   | 1 mg/mL                                                         |
| Clonality       | Monoclonal                                                      |
| Source          | Mouse                                                           |
| Isotype         | IgG                                                             |
| Purification    | The antibody was purified by immunogen affinity chromatography. |

| Product Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Product Image                                                            |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------|
| <p>The DYKDDDDK tag, also known as the FLAG® tag, is an eight-amino acid epitope sequence (Asp-Tyr-Lys-Asp-Asp-Asp-Lys) used to facilitate protein purification, detection, and localization. It can be fused to either the N- or C-terminus of a target protein and enables efficient isolation and identification using anti-FLAG antibodies.</p> <p>Optimized for compatibility, the FLAG tag is highly hydrophilic, minimizing the risk of protein denaturation or loss of activity upon tagging. Its versatility makes it widely applicable in protein-protein interaction studies, protein expression analysis, and cellular localization assays.</p> |                                                                          |
| Product Specifications and Product Specific Information                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                          |
| Applications                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | WB: 1:2000 – 1:5000<br>IF/IC: 1:200 – 1:500<br>IP: 1:100 – 1:200         |
| Reactivity                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | N/A                                                                      |
| Specificity                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Recognizes C-terminal, internal, and N-terminal FLAG-tag fusion proteins |

For research applications only. Not for diagnostic or therapeutic use.

|                    |                                                                                                             |
|--------------------|-------------------------------------------------------------------------------------------------------------|
| <b>Immunogen</b>   | KLH-conjugated synthetic peptide encompassing a sequence of FLAG-tag.<br>The exact sequence is proprietary. |
| <b>Description</b> | Mouse monoclonal antibody to FLAG-tag                                                                       |
| <b>Buffer</b>      | Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.   |

| Storage and Stability              |             |              |
|------------------------------------|-------------|--------------|
|                                    | Temperature | Storage Time |
| Short Term                         | 4°C         | 1 month      |
| Long Term                          | -20°C       | 12 months    |
| Avoid repeated freeze-thaw cycles. |             |              |

| Product Data                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  | <p>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 humidified chamber. Cells were washed with PBST and incubated with a DyLight 594-conjugated secondary antibody (red) in PBS at room temperature in the dark. DAPI was used to stain the cell nuclei (blue).</p> |

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