

# Flag-Tag Mouse Monoclonal Antibody(2C5)

Catalog No.: RTA21

## Basic Information

### Information

|                            |  |
|----------------------------|--|
| Reactivity                 | N/A  |
| Immunogen                  | Synthetic Peptide  |
| Host                       | Mouse  |
| Isotype                    | IgG1   |
| Storage Buffer & Condition | 1mg/ml in PBS, pH 7.4, containing 0.02% sodium azide and 50% glycerol. |
| Observed MW                | N/A  |

### Applications

### Recommended Dilution

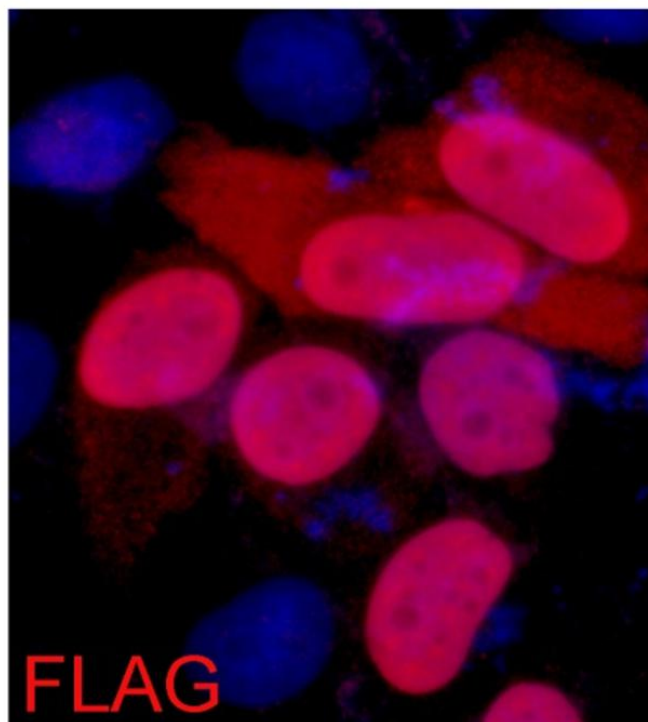
|     |         |
|-----|---------|
| WB  | 1:5,000 |
| IHC | 1:200   |
| IF  | 1:2,000 |

## Preparation & Storage

|          |  |
|----------|--|
| Storage  | Store at -20°C. Stable for one year from the date of shipment. |
| Shipping | Bule Ice   |

## Experimental Data

Flag fusion protein



1  $\mu$ g Flag fusion protein + Primary antibody dilution at 1:10,000.

IF analysis of 293 cells transfected with a Flag-tag protein, using anti-FlagTag Mouse mAb at a 1:2000 dilution (blue DAPI, red anti-Flag)

## Background

The DYKDDDDK peptide (Flag-tag) is a small component of an epitope which does not appear to interfere with the bioactivity or the biodistribution of the recombinant protein. It has been used extensively as a general epitope tag in expression vectors. It can be used for affinity chromatography, then used to separate recombinant, overexpressed protein from wild-type protein expressed by the host organism. It can also be used in the isolation of protein complexes with multiple subunits. A Flag-tag can be used in many different assays that require recognition by an antibody. If there is no antibody against the studied protein, adding a Flag-tag to this protein allows one to follow the protein with an antibody against the Flag sequence.