

## Mouse anti-Human EEF1D Monoclonal Antibody | anti-EEF1D antibody

EEF1D Mouse mAb

| CATALOG # | HOST  | REACTIVITY | APPLICATIONS                                                        |
|-----------|-------|------------|---------------------------------------------------------------------|
| AAA62369  | Mouse | Human      | Flow Cytometry, Functional Assay, Immunoprecipitation, Western Blot |

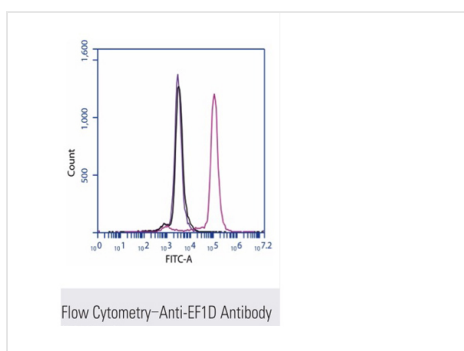
### PRODUCT SYNONYMS

EEF1D; Monoclonal Antibody; EEF1D Mouse mAb; Antigen NY-CO-4; EF-1-delta; EF1D; Elongation factor 1-delta; eukaryotic translation elongation factor 1 delta (guanine nucleotide exchange protein); guanine nucleotide exchange protein; EF-1D; FP1047; anti-EEF1D antibody

### PRODUCT SPECIFICATIONS

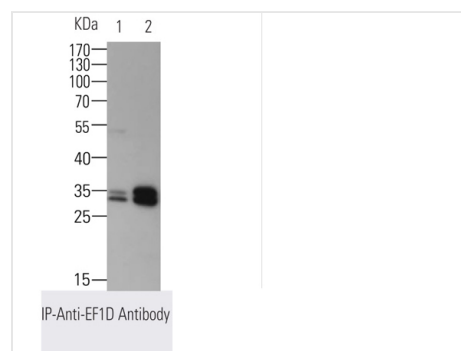
|                                                 |                                                                                                                                                    |
|-------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                            | Mouse                                                                                                                                              |
| Reactivity                                      | Human                                                                                                                                              |
| Clonality                                       | Monoclonal                                                                                                                                         |
| Isotype                                         | IgG                                                                                                                                                |
| Sequence Length                                 | 647                                                                                                                                                |
| Applicable Applications for anti-EEF1D antibody | FCM/FACS (Flow Cytometry), IP (Immunoprecipitation), WB (Western Blot)                                                                             |
| Source Note                                     | This monoclonal antibody is produced by immunizing mice with a sythetic peptide(KLH coupled)corresponding to amino-terminal residues of human EF1D |
| Preparation and Storage                         | Store at -20 degree C. Stable for one year from the date of shipment.                                                                              |

### IMAGES



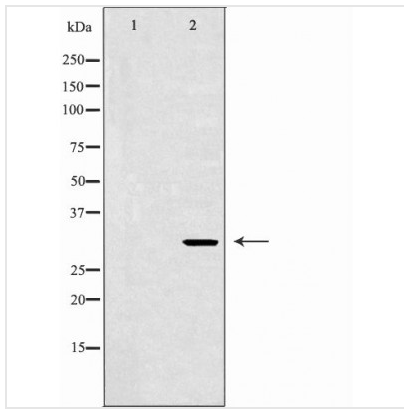
#### FCM/FACS (Flow Cytometry)

Flow cytometric analysis of 2% paraformaldehyde-fixed Jurkat (Human T cell leukemia cells from peripheral blood) cells labeling EF1D with M25112 at 1/200 dilution (red) compared with a mouse monoclonal IgG isotype control (black) and an unlabelled control (cells without incubation with primary antibody, blue). Goat anti-mouse IgG (FITC) at 1/300 dilution was used as the secondary antibody.



#### IP (Immunoprecipitation)

EF1D was immunoprecipitated from 1mg of Jurkat cells membrane fraction, blotted with M25112 of 10 ug. Western blot was performed from the immunoprecipitate using M25112 at 1/1000 dilution. Anti-Mouse-IgG(HRP), specific to the non-reduced form of IgG, was used as secondary antibody at 1/10000 dilution. Lane 1: Jurkat cells membrane fraction. Lane2: IP product of Jurkat cells membrane fraction.Predicted band size : 31 KDaObserved band size : 31 KDaBlocking and dilution buffer and concentration:5% milk/TBST.



WB (Western Blot)

### ADDITIONAL INFORMATION

|                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|-----------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-EEF1D antibody | This gene encodes a subunit of the elongation factor-1 complex, which is responsible for the enzymatic delivery of aminoacyl tRNAs to the ribosome. This subunit, delta, functions as guanine nucleotide exchange factor. It is reported that following HIV-1 infection, this subunit interacts with HIV-1 Tat. This interaction results in repression of translation of host cell proteins and enhanced translation of viral proteins. Several alternatively spliced transcript variants encoding multiple isoforms have been found for this gene. Related pseudogenes have been defined on chromosomes 1, 6, 7, 9, 11, 13, 17, 19. |
| Product Categories/Family for anti-EEF1D antibody   | Cell Marker; Subcellular Marker; Nucleoplasm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |

### NCBI AND UNIPROT INFORMATION

|                                  |                                                        |
|----------------------------------|--------------------------------------------------------|
| NCBI GI #                        | 304555583                                              |
| NCBI GeneID                      | 1936                                                   |
| NCBI Accession #                 | NP_001123525.2                                         |
| NCBI GenBank Nucleotide #        | NM_001130053.3                                         |
| UniProt Accession #              | P29692; Q4VBZ6; Q969J1; Q96I38; B4DDU4; D3DWK3; E9PBQ9 |
| Molecular Weight                 | Predicted MW: 31kDa                                    |
| NCBI Official Full Name          | elongation factor 1-delta isoform 1                    |
| NCBI Official Synonym Full Names | eukaryotic translation elongation factor 1 delta       |
| NCBI Official Symbol             | EEF1D                                                  |
| NCBI Official Synonym Symbols    | EF1D; EF-1D; FP1047                                    |
| NCBI Protein Information         | elongation factor 1-delta                              |
| UniProt Protein Name             | Elongation factor 1-delta                              |
| UniProt Gene Name                | EEF1D                                                  |
| UniProt Synonym Gene Names       | EF1D; EF-1-delta                                       |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.