

## Anti-CD63 Antibody-HRP (3Z792)

## Product Details

|               |            |
|---------------|------------|
| Ig Type:      | Mouse IgG1 |
| Reactivity:   | Human      |
| Conjugation:  | HRP        |
| Clone:        | 3Z792      |
| Purification: | Protein A  |

## Applications

|              |                    |
|--------------|--------------------|
| Application: | ELISA              |
| Recommended  | ELISA: 0.1-1 µg/mL |

## Properties

|                      |  |
|----------------------|--|
| Stability & Storage: | Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles. Preservative-Free. Keep away from direct sunlight. |
| Shipping:            | Shipping with blue ice.  |

## Antigen Details

|                  |  |
|------------------|--|
| Immunogen:       | Recombinant Protein: Human CD63 protein (TMPY-02099) |
| Antigen Species: | Human  |
| Synonyms:        | ME491;CD63 molecule;C75951;Tspan30                   |

## Research Background

The cluster of differentiation (CD) system is commonly used as cell markers in Immunophenotyping. Different kinds of cells in the immune system can be identified through the surface CD molecules which associating with the immune function of the cell. There are more than 320 CD unique clusters and subclusters have been identified. Some of the CD molecules serve as receptors or ligands important to the cell through initiating a signal cascade which then alter the behavior of the cell. Some CD proteins do not take part in cell signal process but have other functions such as cell adhesion. Cluster of differentiation 63 (CD63) is a member of the CD family and the transmembrane 4 superfamily, also known as the tetraspanin family. CD63 is a cell surface glycoprotein characterized by the presence of four hydrophobic domains. CD63 had functions in mediating signal transduction processes and then regulate a variety of cellular processes such as cell proliferation, activation and motility. It has been reported that CD63 protein associated with tumor progression and served as a blood platelet activation marker and the deficiency of this protein may be associated with Hermansky-Pudlak syndrome.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

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