

## PerCP/Cy5.5 Anti-human CD39 Antibody \*TU66\*

Catalog number: 103901W0, 103901W1, 103901W2  
Unit size: 25 tests, 100 tests, 500 tests

### Product Details

|                    |   |
|--------------------|---|
| Storage Conditions | 2-8°C with minimized light exposure. Do not freeze.                         |
| Expiration Date    | 12 months upon receiving  |
| Concentration      | 0.1 mg/mL   |
| Formulation        | Phosphate-buffered saline (PBS, pH 7.2), 0.09% sodium azide, 0.2% (w/v) BSA |

### Antibody Properties

|                    |                          |
|--------------------|--------------------------|
| Species Reactivity | Human                    |
| Class              | Primary                  |
| Clonality          | Monoclonal               |
| Host               | Mouse                    |
| Isotype            | Mouse IgG2b kappa        |
| Immunogen          | CD39 (ENTPD1, NTPDase 1) |
| Clone              | TU66                     |
| Conjugate          | PerCP/Cy5.5              |

### Biological Properties

|             |  |
|-------------|--|
| Preparation | Antibody purified by affinity chromatography and then conjugated with PerCP/Cy5.5 under optimal conditions |
| Application | Flow Cytometry (FACS)  |

### Spectral Properties

|                       |             |
|-----------------------|-------------|
| Conjugate             | PerCP/Cy5.5 |
| Excitation Wavelength | 489 nm      |
| Emission Wavelength   | 679 nm      |

### Applications

TU66 is an anti-human monoclonal antibody that recognizes the CD39 antigen. CD39 (also known as NTPDase 1 or ENTPD1) is a transmembrane protein that is found on the surface of cells such as dendritic cells and macrophages. CD39 is associated with a variety of biologically interesting macromolecules/ligands, for instance, ADP/ATP. CD39 is a fairly uncommon antibody target, with a little more than 4500 publications in the last decade. Even still, CD39 is often used in flow cytometry applications as a phenotypic marker for differentiation of cell types, particularly in the study of immunology. This antibody was purified through affinity chromatography and conjugated to PerCP/Cy5.5 (ex/em = 489/679 nm). It is

compatible with the 488 nm laser and 695/40 nm bandpass filter (for example, as in the BD FACSaria™ II).