

## CD300A

### Mouse Anti-Human CD300a Clone MEM-260 PE mAb

|                                 |   |                  |           |
|---------------------------------|---|------------------|-----------|
| <b>Catalog No.</b>              | CMC412  | <b>Quantity:</b> | 100 tests |
| <b>Description:</b>             | Mouse Anti-human CD300a Clone MEM-260 Monoclonal Antibody conjugated to R-PE. CD300a (CMRF-35H, IRp60) is a non-MHC-specific inhibitory receptor of immunoglobulin superfamily, which contains three immunoreceptor tyrosine-based inhibitory motifs (ITIMs) that associate with SH2-containing phosphatases SHP-1 and SHP-2. CD300a is expressed on many cell types including T cells, NK cells, neutrophils, eosinophils or mast cells. Its triggering inhibits activating signals such as those of IL5, GM-CSF or eotaxin, as well as supresses mast cell degranulation or NK cell cytotoxic activity. |                  |           |
| <b>Gene ID:</b>                 | 11314   |                  |           |
| <b>Purity:</b>                  | The conjugate is purified by size-exclusion chromatography.   |                  |           |
| <b>Specificity:</b>             | Reacts with CD300a, a 60 kDa leukocyte transmembrane glycoprotein expressed on human granulocytes, monocytes, neutrophils, NK cells, mast cells and dendritic cells, 25% of circulating T-cells and 15% of circulating B-cells.   |                  |           |
| <b>Host:</b>                    | Mouse   |                  |           |
| <b>Immunogen:</b>               | HPB human acute lymphoid leukemia cell line   |                  |           |
| <b>Isotype:</b>                 | IgG1  |                  |           |
| <b>Clone:</b>                   | MEM-260   |                  |           |
| <b>Formulation:</b>             | Liquid in phosphate buffered saline (PBS) containing 15 mM sodium azide + 0.2% (w/v) BSA as a stabilizing agent.  |                  |           |
| <b>Applications:</b>            | Flow Cytometry for analysis of human blood cells: working dilution of 20 µl reagent per 100 µl whole blood or 10 <sup>6</sup> cells in a suspension. The content of a vial (2.0 ml) is sufficient for 100 tests. The optimal concentration should be determined by the user for each specific application.  |                  |           |
| <b>Storage &amp; Stability:</b> | Store in the dark at 2-4°C. <b>Do not freeze. Avoid prolonged exposure to light.</b> When stored as instructed, product is stable for one year.   |                  |           |

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