

### 30-1197: Anti-CD72 Monoclonal Antibody (Clone:3F3)

|                                |   |
|--------------------------------|---|
| <b>Clonality :</b>             | Monoclonal                                  |
| <b>Clone Name :</b>            | 3F3   |
| <b>Application :</b>           | FACS, IP                                    |
| <b>Reactivity :</b>            | Human                                       |
| <b>Gene :</b>                  | CD72  |
| <b>Gene ID :</b>               | 971   |
| <b>Uniprot ID :</b>            | P21854                                      |
| <b>Format :</b>                | Purified                                    |
| <b>Alternative Name :</b>      | CD72  |
| <b>Isotype :</b>               | Mouse IgG2b                                 |
| <b>Immunogen Information :</b> | Normal human lymphocytes from a lymph node. |

#### Description

CD72 is a transmembrane glycoprotein expressed as a homodimer especially in B cells, but also in other antigen presenting cells such as dendritic cells and macrophages. Through one of its immunoreceptor tyrosine-based inhibitory motives (ITIMs), CD72 interacts with tyrosine phosphatase SHP-1, thereby suppressing B cell responsiveness. Binding of CD72 with its ligand CD100 (Sema4D) prevents BCR association and phosphorylation of CD72 and results in dissociation of SHP-1 from CD72, thus enables B cell activation.

#### Product Info

|                            |  |
|----------------------------|--|
| <b>Amount :</b>            | 0.1 mg                                       |
| <b>Purification :</b>      | Purified by precipitation and chromatography |
| <b>Storage condition :</b> | Store at 2-8°C. Do not freeze.               |

#### Application Note

**Flow Cytometry** *Recommended dilution:* 1 Åµg/ml  
**Immunoprecipitation**