

## anti-human CD86

The antibody BU63 reacts with CD86 (B7-2), a 70 kDa type I transmembrane glycoprotein of immunoglobulin supergene family, expressed on professional antigen-presenting cells, such as dendritic cells, macrophages or activated B lymphocytes.

CD80 (B7-1) and **CD86** (B7-2) are ligands of T cell critical costimulatory molecule CD28 and of an inhibitory receptor CTLA-4 (CD152). The both B7 molecules are expressed on professional antigen-presenting cells and are essential for T cell activation, the both molecules can also substitute for each other in this process. The question what are the differences in CD80 and CD86 competency has not been fully elucidated yet; there are still conflicts in results about their respective roles in initiation or sustaining of the T cell immune response.

|                             |   |
|-----------------------------|---|
| <b>Clone:</b>               | BU63  |
| <b>Isotype:</b>             | Mouse IgG1  |
| <b>Physical state:</b>      | Purified from ascites by protein-A affinity chromatography                                    |
| <b>Purity:</b>              | > 95% (by SDS-PAGE)   |
| <b>Buffer:</b>              | PBS with 15 mM sodium azide (pH 7.4)  |
| <b>Storage Instruction:</b> | Store at 4 °C. For long-term storage aliquot and store at -20°C. Avoid freeze/thaw cycles.    |
| <b>Application:</b>         | Flow Cytometry, Immunohistochemistry (frozen sections), Immunoprecipitation, Western Blotting |
| <b>Reference:</b>           | Leukocyte Typing VI., Kishimoto T. et al. (Eds.), Garland Publishing Inc. (1997)              |
| <b>Quantity:</b>            | 0.1 mg  |
| <b>Order N°:</b>            | H12463  |

**Warning:** Sodium azide is harmful if swallowed (R22). Keep out of reach of children (S2). Keep away from food, drink and animal feeding stuff (S13). Wear suitable protective clothing (S36). If swallowed, seek medical advice immediately and show this container or label (S46). Contact with acids liberates very toxic gas (R32).

This material is offered for **research only**. Not for use in human. For in vitro use only. EuroBioSciences will not be held responsible for patent infringement or other violations that may occur with the use of our products.