

## Monoclonal Anti-human B7-1(CD80)

**Product reference: DDX0160**

### Description

The CD80 antigen (B7, BB1) recognizes a 60 kDa transmembrane glycoprotein, member of the immunoglobulin family. This molecule shares with CD86 the capability to be the ligand for two structurally similar molecules expressed on T lymphocytes, CD28 and CD152 (CTLA-4). CD80 antigen is expressed on *in vitro* activated B lymphocytes. It is not expressed on the majority of resting B cells from peripheral blood but identifies a subpopulation of B cells that has been previously activated. The antigen is also expressed by HTLV-1 transformed T cells activated monocytes, and constitutively on dendritic cells. CD80 binding provides costimulatory signals for T cell activation.

(Vallé A. *et al*, 1990; *Immunology*, 69:531-535; Freeman GJ. *et al*, 1992; *Blood*, 79:489-494).

<b>Clone:</b>	<b>mAb 104</b>
<b>Species:</b>	mouse
<b>Specificity:</b>	human CD80
<b>Immunogen:</b>	Jijoye cells (human Burkitt's lymphoma cell line)
<b>Species cross-reactivity:</b>	nd
<b>Isotype:</b>	IgG1
<b>Purification:</b>	QMA Hyper D ion exchange chromatography
<b>Formulation/size:</b>	<b>Purified:</b> 100 µg in 200 µl / 50 µg in 100 µl Tris-NaCl pH 8 <b>Coupled:</b> 100 µg in 200 µl / 50 µg in 100 µl PBS 50% glycerol

### Available formats:

Reference N°		Format	Application tested
50 µg	100 µg		
DDX0160P-50	DDX0160P-100	purified	Flow cytometry, cell culture

<b>Applications:</b>	Studies of ligand/receptor interactions Cell adhesion molecule Signal transduction in T-B interaction Dendritic cells activation
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<b>Usage recommendation:</b>	*This monoclonal antibody may be used between 1-10 µg/ml. *Optimal dilution should be determined by each laboratory for each application. *Coupled antibody: to maintain RT before use.
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<b>Aliquot storage conditions:</b>	<b>-20°C. KEEP CONTENTS STERILE: no preservative.</b> <b><u>Purified</u> antibodies: avoid repeated freeze/thaw cycles.</b> <b><u>Coupled</u> antibodies: glycerol protects from freezing.</b>
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Not for use in Humans. For research purpose only