

## Monoclonal Anti-human CD38

**Product reference: DDX0161**

### Description

CD38 is a type II transmembrane protein that functions as a signalling molecule and mediates the adhesion between lymphocytes and endothelial cells. In the hematopoietic system, CD38 is mostly highly expressed on plasma cells all pre-B lymphocytes and thymocytes. The antigen is expressed during the early stages of T- and B-lymphocytes differentiation and on most of CD34<sup>+</sup> cells. CD38 is a counter-receptor of CD31. Clone HB7 (HB7, THB-7) comes from ATCC.

(Tedder TF et al, 1984 ; *Tissue Antigens* ; 24(3):140-149)

**Clone:** HB7 (ATCC number HB-136<sup>TM</sup>)  
**Species:** mouse  
**Specificity:** human CD38  
**Immunogen:** BJAB human B cell line  
**Species cross-reactivity:** nd  
**Isotype:** IgG1  
**Purification:** QMA Hyper D ion exchange chromatography  
**Formulation/size:** **Purified:** 100 µg in 200µl / 50 µg in 100 µl Tris-NaCl pH 8  
**Coupled:** 100 µg in 200 µl / 50 µg in 100 µl PBS 50% glycerol (on request)

### Available format:

Reference		Format	Application tested
50µg	100µg		
DDX0161P-50	DDX0161P-100	purified	Flow cytometry

**Usage recommendation:** \*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.

**Aliquot storage conditions:** -20°C. **KEEP CONTENTS STERILE: no preservative.**  
Purified antibodies: avoid repeated freeze/thaw cycles.  
Coupled antibodies: glycerol protects from freezing.

Not for use in Humans. For research purpose only