

## Product datasheet

### HUMAN ICAM-3 MOUSE MONOCLONAL ANTIBODY (MA4)

**SKU:** MM-0199-P

100 µg

#### OVERVIEW

**Clonality:**

Monoclonal

**Host:**

Mouse

**Reactivity:**

Human

**Application:**

WB, FC

**Target:**

Human ICAM-3

**Target background:**

Rapid clearing of apoptotic cells by phagocytes may prevent tissue damage.

Studies show that ICAM-3 (also known as CD50), expressed on leukocytes, interacts with macrophages during apoptotic cell clearing (Torr et al., 2012).

ICAM-3 plays an important role in the recruitment and tethering of macrophages during the process of clearing apoptotic human leukocytes, and ICAM-3 deficient cells have reduced clearance of apoptotic cells by phagocytes. This antibody, (MA4), has been shown to block the interaction of apoptotic leukocytes with macrophages/phagocytes.

**Target alias:**

CD50, Intercellular adhesion molecule 3

**Immunogen:**

Mammalian recombinant protein

**Specificity:**

The antibody recognizes the domains 1-2 of intercellular adhesion molecule (ICAM)-3. This antibody has been shown to block the interaction of apoptotic leukocytes with macrophages/phagocytes.

**Clone ID:**

MA4

**Isotype:**

IgG1 kappa

**Preservative:**

None

**Format:**

Lyophilized protein G purified in PBS pH7.4

**Recommend starting dilution:**

Reconstitute with deionized water. Optimal dilution has to be determined by the user.

**Limitations:**

Research Use Only

**References:**

- 1.-Torr EE - Apoptotic cell-derived ICAM-3 promotes both macrophage chemoattraction to and tethering of apoptotic cells.
- 2.-Hawkins LA and Devitt A - Current understanding of the mechanisms for clearance of apoptotic cells-a fine balance.

**Storage:**

Lyophilized antibodies can be kept at 4°C for up to 3 months and should be kept at -20°C for long-term storage (2 years). To avoid freeze-thaw cycles, reconstituted antibodies should be aliquoted before freezing for long-term (1 year) storage (-80°C) or kept at 4°C for short-term usage (2 months). For maximum recovery of product, centrifuge the original vial prior to removing the cap. Further dilutions can be made with the assay buffer. After the maximum long-term storage period (2 years lyophilized or 1 year reconstituted) antibodies should be tested in your assay with a standard sample to verify if you have noticed any decrease in their efficacy.

Image:

