

PRODUCT INFORMATION SUMMARY

Human ICAM-3 (CD50)

Purified Factor	Product Number	HC67739A	10.0 ug
	Product Number	HC67739B	50.0 ug

DESCRIPTION:

Human IntraCellular Adhesion Molecule (ICAM)-3, also known as the CD50 antigen, is a protein belonging to the Ig superfamily. **ICAM-3** is the ligand for Beta-2 Integrins and Lymphocyte Function Associated antigen-1 (LFA) and C-type Lectin receptor.

ICAM-3 is believed to primarily function as adhesion between T-cells and APCs and induces stimulatory signals in the immune response.

This recombinant protein represents a disulfide-linked homodimer with 689 aa residues, with 456 aa extracellular portion - fused to a 231 aa Fc portion (human IgG) The 75.5 kDa glycoprotein (cell-derived) migrates with apparent MW of 130 kDa under reducing conditions (SDS-PAGE).

SOURCE: CHO cells
Purity > 98% by HPLC analysis
Endotoxin < 0.1 ng per ug ICAM-3
Sterile-filtered and lyophilized from PBS

BIOLOGICAL ACTIVITY:

ICAM-3 Fc supported the adhesion of more than 50% PMA-stimulate d HSB2 cells to plates coated with 1.0-4.0 µg/ml ICAM-3 Fc concentration .

HANDLING AND STORAGE:

Purified Human ICAM-3 factor is provided lyophilized. Store lyophilized, at -20° C. **Microcentrifuge** before reconstitution (see below). Upon reconstitution to approx. 100.0 ug/uL in sterile or distilled water, further dilute in PBS or other buffered solutions. Store small aliquots , **with addition of 0.1% BSA**, at -20° C for long-term storage - up to 3 months, at high concentration.

Before opening vial, it is recommended to microcentrifuge vial for 30 seconds to spin-down any lyophilized material that may adhere to top of vial. The small amounts of protein may adhere to the vial as a very thin coat of lyophilized material, and may be difficult to see as a pellet.

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