

**HUMAN ICAM3 PROTEIN, HIS TAG****Cat.#:** 11914**Product Name:** Human ICAM3 Protein**Size:** 10 µg, 50 µg and 100 µg**Synonyms:** CD50;CDW50;ICAM-R**Target:** ICAM3**UNIPROT ID:** P32942**Description:** Recombinant Human ICAM3 Protein with C-terminal 6xHis tag**Background:** The protein encoded by this gene is a member of the intercellular adhesion molecule (ICAM) family. All ICAM proteins are type I transmembrane glycoproteins, contain 2-9 immunoglobulin-like C2-type domains, and bind to the leukocyte adhesion LFA-1 protein. This protein is constitutively and abundantly expressed by all leucocytes and may be the most important ligand for LFA-1 in the initiation of the immune response. It functions not only as an adhesion molecule, but also as a potent signalling molecule. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Feb 2016]**Species/Host:** HEK293**Molecular Weight:** The protein has a predicted molecular mass of 50.3 kDa after removal of the signal peptide.**Molecular Characterization:** ICAM3(Gln30-His485) 6×His tag**Purity:** The purity of the protein is greater than 85% as determined by SDS-PAGE and Coomassie blue staining.**Formulation & Reconstitution:** Lyophilized from nanodisc solubilization buffer (20 mM Tris-HCl, 150 mM NaCl, pH 8.0). Normally 5% – 8% trehalose is added as protectants before lyophilization.**Storage & Shipping:** Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature.



Figure 1. Human ICAM3 Protein, His Tag on SDS-PAGE under reducing condition.