

Product Data:**Product SKU:** RPES0486**Size:** 50µg**Species:** Mouse**Expression host:** HEK293 Cells**Uniprot:** NP_034624.1**Protein Information:****Molecular Mass:** 23.6 kDa**AP Molecular Mass:** 38-42 kDa**Tag:****Bio-activity:** Measured by the ability of the immobilized protein to support the adhesion of PMA-stimulated HSB2 human peripheral blood acute lymphoblastic leukemia cells. When 5 x 10E4 cells/well are added to rmlCAM1 coated plates (12.5 µg/mL with 100 µL/well), > 30% ce**Purity:** > 85 % as determined by SDS-PAGE**Endotoxin:** < 1.0 EU per µg of the protein as determined by the LAL method.**Storage:** Lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.**Shipping:** This product is provided as lyophilized powder which is shipped with ice packs.**Formulation:** Lyophilized from sterile PBS, pH 7.4**Reconstitution:** Please refer to the printed manual for detailed information.**Application:****Synonyms:** AILIM Protein, CCLP Protein, CRP Protein, H4 Protein, Ly115 Protein

Immunogen Information:

Sequence: Met 1-Gln 222

Background:

Intercellular adhesion molecule 2 (ICAM-2, CD102), belongs to the ICAM family consisting of three members identified as ligands for integrin receptors. It is a type I transmembrane glycoprotein with two Ig-like C2-type domains, and binds to the leukocyte integrins LFA (CD11a/CD18) and Mac (CD11b/CD18). As a second ligand of leukocyte function-associated antigen, ICAM-2 functions as a costimulatory molecule for effector cells. ICAM-2 is mainly expressed on vascular endothelial and hematopoietic cells. Interactions of ICAM-2 and the integrin receptors mediate cell adhesion in a wide range of lymphocyte, monocyte, natural killer cell, and granulocyte with other cells, and play important roles in many adhesion-dependent immune and inflammation responses, such as T cell aggregation, NK-cell cytotoxicity and migration, lymphocyte recirculation, etc. Serum levels of ICAM-2 correlated significantly with the inflammatory and course sequences of trichinosis in mice and had a similar relation with blood eosinophilia. So, estimation of ICAM-2 serum levels may prove useful in diagnosis of trichinosis recent infections, and in monitoring the prognosis and response to treatment.