Recombinant Protein Technical Manual

Recombinant Mouse ICAM-2/CD102 Protein (Fc Tag)

RPES5074

Product Data:

Product SKU: RPES5074

Size: 10µg

Species: Mouse

Expression host: Human Cells

Uniprot: NP_034624.1

Protein Information:

Molecular Mass: 49.7 kDa

AP Molecular Mass: 70-90 kDa

Tag: C-Fc

Bio-activity:

Purity: > 95 % as determined by SDS-PAGE

Endotoxin: < 1.0 EU per µg 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℃ for 2-7 days. Aliquots of reconstituted samples are stable at < -20℃ for 3 months.

Shipping: This product is provided as lyophilized powder which is shipped with ice packs.

Formulation: Lyophilized from a 0.2 µm filtered solution of 20mM Tris,150mM NaCl,pH8.0.

Reconstitution: Please refer to it for detailed information.

Application:

Synonyms: Intercellular adhesion molecule 2; Icam2; ICAM-2; Lymphocyte function-associated AG counter-receptor; CD102; Icam-2; CD102 antigen;Ly-60

Immunogen Information:

Sequence: Lys23-Gln222

Background:

ICAM-2 is a 55-65 kD transmembrane glycoprotein possessing 2 extracellular Ig domains, a single transmembrane domain, and a short 26-amino acid cytoplasmic domain. ICAM-2 is expressed on most leukocytes, and is strongly expressed on vascular endothelial cells. Interactions of ICAM-2 and the integrin receptors mediate cell adhesion in a wide range of lymphocyte, monocyte, natural killer cell, and granulocytewith 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.