

Human EMAP-II/AIMP1 Protein

Cat. No. EAP-HE102



Description

Source	Recombinant Human EMAP-II/AIMP1 Protein is expressed from E.coli with His tag at the N-Terminus.
	It contains Ala2-Lys312.
Accession	Q12904-1
Molecular Weight	The protein has a predicted MW of 35.4 kDa. The protein migrates to 40-45 kDa based on Bis-Tris PAGE result.
Endotoxin	Less than 1 EU per µg by the LAL method.
Purity	> 95% as determined by Bis-Tris PAGE

Formulation and Storage

Formulation	Supplied as 0.22µm filtered solution in 20mM Tris, 500mM NaCl, 10% Glycerol (pH 8.0).
Storage	Valid for 12 months from date of receipt when stored at -80°C. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

Background

The potent antiangiogenic and proinflammatory protein Endothelial Monocyte Activating Polypeptide II (EMAP II) has been described as a mediator of pulmonary vascular and alveolar formation and its expression is inversely related to the periods of vascularization and alveolarization in the developing lung. Hence the study of EMAP II could play a vital role in studying and devising appropriate therapeutics for diseases of aberrant lung development, such as BPD.

Assay Data

Bis-Tris PAGE



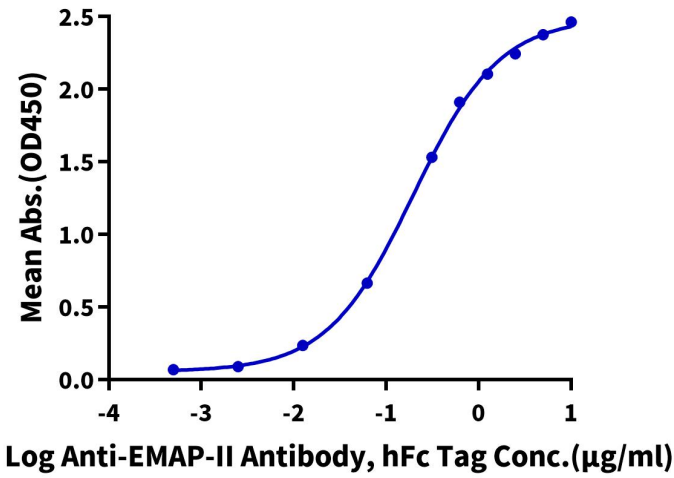
Human EMAP-II on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

ELISA Data

Assay Data

Human EMAP-II, His Tag ELISA

0.5µg Human EMAP-II, His Tag Per Well



Immobilized Human EMAP-II, His Tag at 5µg/ml (100µl/well) on the plate. Dose response curve for Anti-EMAP-II Antibody, hFc Tag with the EC50 of 0.20ug/ml determined by ELISA (QC Test).