

**Product Data:****Product SKU:** RPES1010**Size:** 10µg**Species:** Mouse**Expression host:** Human Cells**Uniprot:** P04441-2**Protein Information:****Molecular Mass:** 44.5 kDa**AP Molecular Mass:** 45-55 kDa**Tag:** C-mFc-6His**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°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 a 0.2 µm filtered solution of PBS, pH7.4.**Reconstitution:** Please refer to the printed manual for detailed information.**Application:****Synonyms:** Cluster of Differentiation 74; CD74 antigen; CD74 molecule, major histocompatibility complex, class II invariant chain; DHLAG gamma chain of class II antigens; HLA class II histocompatibility antigen gamma chain; HLADG; HLA-DR antigens-associated invariant chain; HLA-DR-gamma; Ia antigen-associated invariant chain; Ia-associated invariant chain; Ia-GAMMA; MHC HLA-DR gamma chain; CD74; DHLAG; HLADG; Ia-gamma; INVG34;

## Immunogen Information:

**Sequence:** Gln56-Leu215

## Background:

Mouse HLA class II histocompatibility antigen gamma chain (CD74), is a single-pass type II membrane protein that in humans is encoded by the CD74 gene. It contains 1 thyroglobulin type domain. CD74 Plays a critical role in MHC class II antigen processing by stabilizing peptide-free class II alpha/beta heterodimers in a complex soon after their synthesis and directing transport of the complex from the endoplasmic reticulum to compartments where peptide loading of class II takes place.