

# Recombinant Rat H-2 class II histocompatibility antigen gamma chain(Cd74) ,partial

Catalog No: #AP70144

Package Size: #AP70144-1 20ug #AP70144-2 100ug #AP70144-3 1mg

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## Description

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|-----------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Name          | Recombinant Rat H-2 class II histocompatibility antigen gamma chain(Cd74) ,partial                                                                                                                                                                                                                                                                                                                     |
| Host Species          | E.coli                                                                                                                                                                                                                                                                                                                                                                                                 |
| Purification          | Greater than 90% as determined by SDS-PAGE.                                                                                                                                                                                                                                                                                                                                                            |
| Immunogen Description | Expression Region:57-280aaSequence Info:Extracellular Domain                                                                                                                                                                                                                                                                                                                                           |
| Other Names           | Ia antigen-associated invariant chain ;IiMHC class II-associated invariant chain; CD74                                                                                                                                                                                                                                                                                                                 |
| Accession No.         | P10247                                                                                                                                                                                                                                                                                                                                                                                                 |
| Calculated MW         | 29.5 kDa                                                                                                                                                                                                                                                                                                                                                                                               |
| Tag Info              | N-terminal 6xHis-tagged                                                                                                                                                                                                                                                                                                                                                                                |
| Target Sequence       | <p>QQQGRLDKLTVTSQNLQLENLRMKLPKSAKPVSPMRMATPLLMRPLSMDNMLQAPVKNVTKYGNMTQDHF</p> <p>MHLLTKSGPVNYPQLKGSFPENLKHLKNSMNGLDWKVFESWMKQWLLFEMSKNSLEEKQPTQTTPPKVLTKC</p> <p>QEEVSHIPDVHPGAFRPKCDENGYMPLQCHGSTGYCWCVFPNGTEVPHTKSRGRHNCSEPLDMEDPSSG</p> <p>LGVTQQDMGQMFL</p>                                                                                                                                        |
| Formulation           | Tris-based buffer50% glycerol                                                                                                                                                                                                                                                                                                                                                                          |
| Storage               | <p>The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself.</p> <p>Generally, the shelf life of liquid form is 6 months at -20°C,-80°C. The shelf life of lyophilized form is 12 months at -20°C,-80°C.Notes:Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.</p> |

## Background

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.

## References

Nucleotide sequence of rat invariant gamma chain cDNA clone pLR gamma 34.3.Henkes W., Syha J., Reske K.Nucleic Acids Res. 16:11822-11822(1988)Research Topic:Others

Note: This product is for in vitro research use only and is not intended for use in humans or animals.