

ORDERING INFORMATION

Catalog Number: AB3010

Lot Number: VYV01

Size: 1 mg

Formulation: 0.2 μ m filtered solution in PBS with 5% trehalose

Storage: -20° C

Reconstitution: sterile PBS

Specificity: human Porimin extracellular domain

Immunogen: CHO cell-derived rhPorimin extracellular domain

Ig Type: Total goat IgG

Applications: Western blot
Flow cytometry
Direct ELISA

Preparation

Produced in goats immunized with purified, CHO cell-derived, recombinant human pro-Oncosis Receptor Inducing Membrane Injury (rhPorimin; aa 27 - 149; Accession # NP_443164) extracellular domain. Total IgG was purified by Protein G affinity chromatography. Human Porimin is a 55 - 110 kDa type I transmembrane (TM) glycoprotein that belongs to a mucin family. The ECD contains 45% serine and threonine and has multiple N- and O-linked glycosylation sites. The cytoplasmic tail contains a lysosome-targeting motif. Porimin activation induces cell death. The amino acid sequence of human Porimin ECD is 40% identical to that of mouse, rat and canine, respectively.

Formulation

Lyophilized from a 0.2 μ m filtered solution in phosphate-buffered saline (PBS) with 5% trehalose.

Endotoxin Level

< 0.1 EU per 1 μ g of the antibody as determined by the LAL method.

Reconstitution

Reconstitute with sterile PBS. If 1 mL of PBS is used, the antibody concentration will be 1 mg/mL.

Storage

Lyophilized samples are stable for twelve months from date of receipt when stored at -20° C to -70° C. Upon reconstitution, the antibody can be stored at 2° - 8° C for 1 month without detectable loss of activity. Reconstituted antibody can also be aliquotted and stored frozen at -20° C to -70° C **in a manual defrost freezer** for six months without detectable loss of activity. **Avoid repeated freeze-thaw cycles.**

Specificity

This antibody has been selected for its ability to recognize human Porimin in the applications listed below.

Applications

Western blot - This antibody can be used at 0.1 - 0.2 μ g/mL with the appropriate secondary reagents to detect human Porimin. The detection limit for rhPorimin is approximately 20 ng/lane under non-reducing and reducing conditions. Because this antibody preparation is a total IgG fraction, complete monospecificity cannot be assumed.

Flow cytometry - This antibody can be used at 3 - 10 μ g/mL/10⁶ cells with an appropriate secondary antibody for indirect immunofluorescence staining of cells by flow cytometry.

Direct ELISA - This antibody can be used at 0.5 - 1.0 μ g/mL with the appropriate secondary reagents to detect human Porimin. The detection limit for rhPorimin is approximately 0.5 ng/well.

Optimal dilutions should be determined by each laboratory for each application.