

Product Datasheet



Mouse Anti-Human Opticin

Overview

Product number	PDZMM123
Host species	Mouse
Target species	Human
Suitable for:	IHC-P, WB, ELISA, Immunomicroscopy, Dot blot, ICC, IHC-Fr

Immunogen	A KLH-conjugated synthetic peptide derived from human Opticin protein was used for immunization.
Conjugation	Unconjugated
Properties	
Form	Liquid
Storage instructions	Shipped at 4 °C. Store at -20 °C. Avoid freeze/thaw cycle. Please see notes section.
Storage buffer	Phosphate buffered saline pH 7.4, contains stabilizer and $\leq 0.09\%$ sodium azide.
Purity	immunogen affinity or SpG purified
Purification notes	This product was prepared by immunoaffinity chromatography using immunogen peptide coupled to Sepharose 4B.
Conjugation notes	-
Clonality	Monoclonal
Isotype	IgG
General notes	For extended storage aliquot contents and freeze at -20 °C or below. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4 °C as an undiluted liquid. Dilute only prior to immediate use.

Our customer's feedback says the antibody worked great. If in case the antibody fails to give results then please contact our scientific support team for assistance.

Applications

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end-user.

Product Usage Information:

Application Dilutions

Western Blotting	3-5 ug/ml
Immunohistochemistry (Paraffin)	5-10 ug/ml
Immunohistochemistry (Frozen)	5-10 ug/ml
Immunofluorescence	5-10 ug/ml
Flow Cytometry	5-10 ug/ml

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

Background:

Opticin is a protein that in humans is encoded by the OPTC gene.

Opticin belongs to class III of the small leucine-rich repeat protein (SLRP) family. Members of this family are typically associated with the extracellular matrix. Opticin is present in significant quantities in the vitreous of the eye and also localizes to the cornea, iris, ciliary body, optic nerve, choroid, retina, and fetal liver. Opticin may noncovalently bind collagen fibrils and regulate fibril morphology, spacing, and organization. The opticin gene is mapped to a region of chromosome 1 that is associated with the inherited eye diseases age-related macular degeneration (AMD) and posterior column ataxia with retinosa pigmentosa (AXPC1).

Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 µg/ml BSA and 50% glycerol. Store at -20°C. After receiving aliquot the antibody and store at -20°C.

Terms and conditions

Guarantee only valid for products bought direct from PADZA or one of our authorized distributors

References:

Note: This product has originally been developed at Avicenna Research Institute, Tehran, IRAN and assigned to PADZA Company according to contract 98/15/191dated 98/01/10.

