

Human RHO/Rhodopsin Mouse mAb

Catalog No: #62259

Package Size: #62259 100ul

Description

Product Name	Human RHO/Rhodopsin Mouse mAb
Host Species	Mouse
Clonality	Monoclonal
Clone No.	MR4525
Isotype	IgG2a
Purification	Protein A/G purified from cell culture supernatant.
Applications	ELISA,IHC,IF,IP
Species Reactivity	Human
Target Name	RHO
Other Names	Rhodopsin, OPN2, Opsin-2, RHO
Calculated MW	39KD
Formulation	0.01M PBS, pH 7.4.
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.

Application Details

ELISA 1:5000-100000

Background

Photoreceptor required for image-forming vision at low light intensity (PubMed:7846071, PubMed:8107847).

Required for photoreceptor cell viability after birth (PubMed:12566452, PubMed:2215617).

Light-induced isomerization of the chromophore 11-cis-retinal to all-trans-retinal triggers a conformational change that activates signaling via G-proteins (PubMed:26200343, PubMed:28524165, PubMed:28753425, PubMed:8107847).

Subsequent receptor phosphorylation mediates displacement of the bound G-protein alpha subunit by the arrestin SAG and terminates signaling (PubMed:26200343, PubMed:28524165).

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