

Rhodopsin Recombinant Rabbit Monoclonal Antibody (Rho 1D4)

Product Details	
Size	200 µg
Species reactivity	Amphibian, Bovine, Human, Mouse, Rat, Zebrafish
Host / Isotype	Rabbit / IgG, kappa
Expression system	HEK293 cells
Class	Recombinant Monoclonal
Type	Antibody
Clone	Rho 1D4
Conjugate	Unconjugated
Immunogen	Bleached bovine rod outer segment (ROS).
Form	Liquid
Concentration	1 mg/mL
Purification	Protein A
Storage buffer	PBS
Contains	0.02% ProClin 300
Storage conditions	Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.
Shipping conditions	Ambient (domestic); Wet ice (international)
RRID	AB_3074369

Applications	Tested Dilution	Publications
ELISA (ELISA)	Assay-dependent	-
Immunocytochemistry (ICC/IF)	Assay-dependent	-
Immunohistochemistry (IHC)	Assay-dependent	-
Immunoprecipitation (IP)	Assay-dependent	-
Radioimmune assays (RIA)	Assay-dependent	-
Western Blot (WB)	0.1 µg/mL	-

Product Specific Information

Specificity: The antibody binds to the C-terminus of rhodopsin on the cytoplasmic side of disk membranes. The epitope has the following amino acid sequence: 'TETSQVAPA'. A limitation of the 1D4 tag, however, is that it has to be placed at the C-terminus of a protein. This is because the Rho1D4 monoclonal antibody requires a free carboxylate group for high affinity binding. Amidation of the carboxyl group lowers its immunoreactivity to the Rho1D4 antibody by over 100 fold.

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