

## Product datasheet for **MO50000-100**

### PSD95 (DLG4) Mouse Monoclonal Antibody

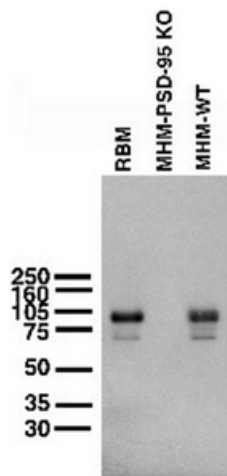
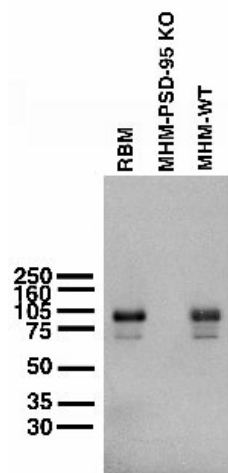
#### Product data:

Product Type:	Primary Antibodies
Applications:	EM, IF, IHC, IP, WB
Recommend Dilution:	Immunofluorescence: 1:200-1:1,000 Immunohistochemistry: 1:200-1:1000 Western Blot: 1:200-1:1000 Immuno-gold EM Immunoprecipitation
Reactivity:	Human, Mouse, Rat
Host:	Mouse
Isotype:	IgG2a
Clonality:	Monoclonal
Immunogen:	Fusion protein amino acids 77-299 of human PSD-95/SAP90 (accession number P78352).
Formulation:	State: Purified
Gene Name:	discs large MAGUK scaffold protein 4
Database Link:	<a href="#">Entrez Gene 1742 Human</a>
Background:	PSD-95 or SAP90 is the best studied member of the MAGUK-family of PDZ domain-containing proteins. Like all MAGUK-family proteins, its basic structure includes three PDZ domains, an SH3 domain, and a guanylate kinase-like domain (GK) connected by disordered linker regions. It is almost exclusively located in the post synaptic density of neurons,[1] and is involved in anchoring synaptic proteins. Its direct and indirect binding partners include neuroligin, NMDA receptors, AMPA receptors, and potassium channels. PSD-95 is an excellent marker for post synaptic mechanisms.
Synonyms:	DLGH4, PSD-95, Disks large homolog 4, SAP90, SAP-90

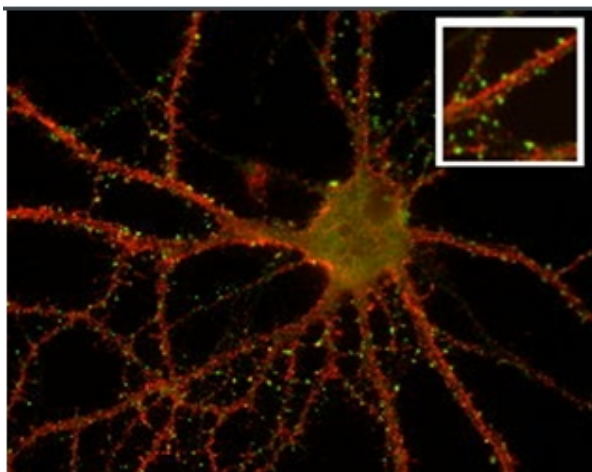


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## Product images:



PSD-95 western blots of adult rat brain membranes (RBM), and adult mouse hippocampal membranes (MHM) from PSD-95 knockout and WT mice (mouse samples courtesy of Dr. Richard Huganir).



PSD-95 (green) and Kv4.2 (red) staining of rat hippocampal neurons.

