

EphA4 Monoclonal Antibody (4C8H5)

Product Details	
Size	100 µg
Species Reactivity	Chicken, Human, Mouse
Published Species	Mouse, Human
Host/Isotype	Mouse / IgG1, kappa
Class	Monoclonal
Type	Antibody
Clone	4C8H5
Conjugate	Unconjugated
Immunogen	A synthetic peptide derived from the C-terminus human EphA4 receptor protein.
Form	Liquid
Concentration	0.5 mg/mL
Purification	Protein A
Storage buffer	PBS, pH 7.4
Contains	0.1% sodium azide
Storage conditions	-20°C
RRID	AB_2533301

Applications	Tested Dilution	Publications
Western Blot (WB)	1-3 µg/mL	21 Publications
Immunohistochemistry (IHC)	3-10 µg/mL	2 Publications
Immunocytochemistry (ICC/IF)	-	2 Publications
ELISA (ELISA)	Assay-dependent	-
Immunoprecipitation (IP)	5 µg	3 Publications
Blocking Assay (BLOCK)	-	1 Publication

Product Specific Information

This antibody is specific for the endogenous EphA4 receptor protein. No cross-reactivity with EphA5 or EphA7 has been detected. On western blots, this antibody identifies a band at ~110-120 kDa. Reactivity has been confirmed with EphA4-transfected 293T cells and mouse brain lysates by western blot and immunoprecipitation and on transfected 293 cells and mouse hippocampus by immunohistochemistry.

Western Blot (21)

Frontiers in neuroscience	Year 2023
Lowering EphA4 Does Not Ameliorate Disease in a Mouse Model for Severe Spinal Muscular Atrophy.	
"Published figure using EphA4 monoclonal antibody (Product # 37-1600) in Western Blot"	
Authors: Poppe L,Smolders S,Rué L,Timmers M,Lenaerts A,Storm A,Schoonaert L,de Boer A, Van Damme P, Van Den Bosch L,Robberecht W,Lemmens R	
Aging cell	Year 2023
Exosomal miR-532-5p induced by long-term exercise rescues blood-brain barrier function in 5XFAD mice via downregulation of EPHA4.	
"Published figure using EphA4 monoclonal antibody (Product # 37-1600) in Western Blot"	
Authors: Liang X,Fa W,Wang N,Peng Y,Liu C,Zhu M,Tian N,Wang Y,Han X,Qiu C,Hou T,Du Y	

[View more WB references on thermofisher.com](#)

Immunohistochemistry (2)

Journal of neuroinflammation	Year 2019
Peripheral loss of EphA4 ameliorates TBI-induced neuroinflammation and tissue damage.	
"Published figure using EphA4 monoclonal antibody (Product # 37-1600) in Immunofluorescence"	
Authors: Kowalski EA,Chen J,Hazy A,Fritsch LE,Gudenschwager-Basso EK,Chen M,Wang X,Qian Y,Zhou M,Byerly M, Pickrell AM,Matson JB,Allen IC,Theus MH	
Molecular and cellular biology	Year 2013
Activation of EphA receptors mediates the recruitment of the adaptor protein Slap, contributing to the downregulation of N-methyl-D-aspartate receptors.	Species Mouse
"Published figure using EphA4 monoclonal antibody (Product # 37-1600) in Immunofluorescence"	
Authors: Semerdjieva S,Abdul-Razak HH,Salim SS,Yáñez-Muñoz RJ,Chen PE,Tarabykin V,Alifragis P	

More applications with references on thermofisher.com

- ICC/IF (2)
- IP (3)
- BLOCK (1)

For Research Use Only. Not for use in diagnostic procedures. Not for resale without express authorization. Products are warranted to operate or perform substantially in conformance with published Product specifications in effect at the time of sale, as set forth in the Production documentation, specifications and/or accompanying package inserts ("Documentation"). No claim of suitability for use in applications regulated by FDA is made. The warranty provided herein is valid only when used by properly trained individuals. Unless otherwise stated in the Documentation, this warranty is limited to one year from date of shipment when the Product is subjected to normal, proper and intended usage. This warranty does not extend to anyone other than the Buyer. Any model or sample furnished to Buyer is merely illustrative of the general type and quality of goods and does not represent that any Product will conform to such model or sample. NO OTHER WARRANTIES, EXPRESS OR IMPLIED, ARE GRANTED INCLUDING WITHOUT LIMITATION, IMPLIED WARRANTIES OF MERCHANTABILITY, FITNESS FOR ANY PARTICULAR PURPOSE, OR NON INFRINGEMENT. BUYER'S EXCLUSIVE REMEDY FOR NON-CONFORMING PRODUCTS DURING THE WARRANTY PERIOD IS LIMITED TO REPAIR, REPLACEMENT OF OR REFUND FOR THE NON-CONFORMING PRODUCT(S) AT SELLER'S SOLE OPTION. THERE IS NO OBLIGATION TO REPAIR, REPLACE OR REFUND FOR PRODUCTS AS THE RESULT OF (I) ACCIDENT, DISASTER OR EVENT OF FORCE MAJEURE, (II) MISUSE, FAULT OR NEGLIGENCE OF OR BY BUYER, (III) USE OF THE PRODUCTS IN A MANNER FOR WHICH THEY WERE NOT DESIGNED, OR (IV) IMPROPER STORAGE AND HANDLING OF THE PRODUCTS. Unless otherwise expressly stated on the Product or in the documentation accompanying the Product, the Product is intended for research only and is not to be used for any other purpose, including without limitation, unauthorized commercial uses, in vitro diagnostic uses, ex vivo or in vivo therapeutic uses, or any type of consumption by or application to human or animals.