

For Research Use Only

# CoraLite® Plus 647-conjugated EPHA7 Monoclonal antibody

Catalog Number: CL647-66667

Featured Product



## Basic Information

Catalog Number:	CL647-66667	GenBank Accession Number:	BC027940	Purification Method:	Protein G purification
Source:	Mouse	GenID (NCBI):	2045	CloneNo.:	1A7E5
Isotype:	IgG1	UNIPROT ID:	Q15375	Recommended Dilutions:	FC (Intra): 0.4 ug per 10 <sup>6</sup> cells in a 100 µl suspension
Immunogen Catalog Number:	AG3813	Full Name:	EPH receptor A7	Excitation/Emission maxima wavelengths:	654 nm / 674 nm
		Calculated MW:	998 aa, 112 kDa		
		Observed MW:	120 kDa		

## Applications

Tested Applications:	Positive Controls:
FC (Intra)	FC (Intra): SH-SY5Y cells,
Species Specificity:	human, mouse, rat, pig

## Background Information

Ephrin receptor A7 (EphA7) is a member of the Eph receptor family. EPHA7 plays a role in corticogenesis processes, determines brain size and shape, and is involved in development of the central nervous system (PMID:34176129). In addition, EphA7 also has a dual role of tumor promoter and tumor suppressor. It can participate in cell proliferation, migration and apoptosis through various mechanisms, and affect tumor differentiation, staging and prognosis. EphA7 may be a potential diagnostic marker and tumor treatment target (PMID:35112312).

## Storage

**Storage:**  
Store at -20°C. Avoid exposure to light. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 50% glycerol, 0.05% Proclin300, 0.5% BSA, pH7.3  
**Aliquoting is unnecessary for -20°C storage**

For technical support and original validation data for this product please contact:

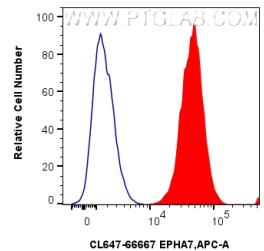
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

## Selected Validation Data



1x10<sup>6</sup> SH-SY5Y cells were intracellularly stained with 0.4 ug Coralite® Plus 647 Epha7 Monoclonal Antibody (CL647-66667, Clone:1A7E5)(red), or 0.4 ug Coralite® Plus 647 Mouse IgG1 Isotype Control (MOPC-21) (CL647-65124, Clone: MOPC-21) (blue). Cells were fixed and permeabilized with Intracellular Flow Cytometry Fixation & Permeabilization Buffer Kit (PF00019).