

## Anti-EphB4 Antibody (6A752)

## Product Details

Ig Type:	Mouse IgG1
Reactivity:	Human
Conjugation:	Unconjugated
Clone:	6A752
Purification:	Protein A

## Applications

Verified Activity:	<p>1. Flow cytometric analysis of human EphB4 expression on MCF-7 cells. Cells were stained with purified anti-Human EphB4, then a FITC-conjugated second step antibody. The histogram were derived from events with the forward and side light-scatter characteristics of intact cells.</p> <p>2. Immunofluorescence staining of EphB4 in MCF7 cells. Cells were fixed with 4% PFA, permeabilized with 0.3% Triton X-100 in PBS, blocked with 10% serum, and incubated with mouse anti-Human EphB4 monoclonal antibody (1:30) at 4°C overnight. Then cells were stained with the Alexa Fluor® 488-conjugated Goat Anti-mouse IgG secondary antibody(green) and counterstained with DAPI(blue).</p>
Application:	ELISA,FCM,ICC/IF
Recommended	ELISA: 1:1000-1:2000; ICC-IF: 1:20-1:100; FCM: 1:25-1:100

## Properties

Stability & Storage:	Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles. Preservative-Free.
Shipping:	Shipping with blue ice.

## Antigen Details

Immunogen:	Recombinant Protein: Human EphB4 protein (TMPY-00787)
Antigen Species:	Human
Synonyms:	TYRO11;MYK1;HTK;EPH receptor B4

## Research Background

Ephrin type-B receptor 4 is a protein that in humans is encoded by the EPHB4 gene. It is a single-pass type I membrane protein belonging to the ephrin receptor subfamily of protein kinase superfamily. Members of the ephrin and Eph family are local mediators of cell function through largely contact-dependent processes in development and in maturity. Furthermore, EphB4 protein and the corresponding ligand Ephrin-B2 contribute to tumor growth in various human tumors. EphB4 protein has tumor suppressor activities and that regulation of cell proliferation, extracellular matrix remodeling, and invasive potential are important mechanisms of tumor suppression. Therefore, Ephrin-B2/EphB4 may be recognized as a novel prognostic indicator for cancers.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

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