

## Product datasheet for **AM06328SU-N**

### Eph receptor B4 (EPHB4) Mouse Monoclonal Antibody [Clone ID: 5B5]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	5B5
Applications:	IF, WB
Recommended Dilution:	<b>ELISA:</b> 1/10000. <b>Western Blot:</b> 1/500 - 1/2000. <b>Immunofluorescence:</b> 1/200 - 1/1000.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Purified recombinant extracellular fragment of human EPHB4 fused with hlgGfc tag expressed in HEK293 cell line.
Specificity:	Recognizes EPH receptor B4 (EphB4).
Formulation:	State: Ascites State: Ascitic fluid containing 0.03% Sodium Azide.
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Predicted Protein Size:	108 kDa
Gene Name:	EPH receptor B4
Database Link:	<a href="#">Entrez Gene 2050 Human P54760</a>



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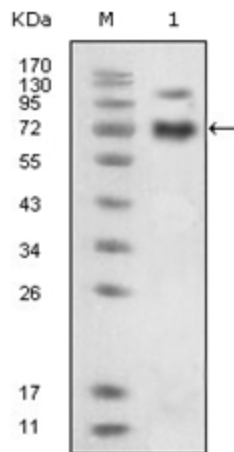
**Background:**

EPH receptor B4 (EphB4), also known as Htk, Myk1, Tyro11 is a member of the Eph receptor family, which bind the ephrin ligand family. Based on their structures and sequence relationships, ephrins are divided into the ephrin-A (EFNA) class, which are anchored to the membrane by a glycosylphosphatidylinositol linkage, and the ephrin-B (EFNB) class, which are transmembrane proteins. Ephrin receptors make up the largest subgroup of the receptor tyrosine kinase (RTK) family. The EphB4 protein binds to ephrin-B2 and plays an essential role in vascular development.

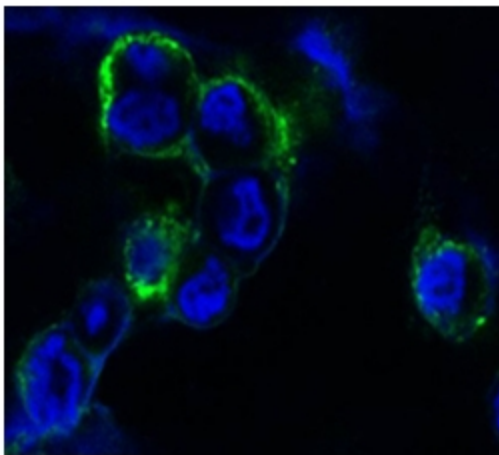
**Synonyms:**

Ephrin type-B receptor 4, HTK, TYRO11

**Product images:**



Western blot analysis using EphB4 antibody Cat.-No AM06328SU-N against extracellular domain of human EphB4 (aa16-539).



Confocal Immunofluorescence analysis of methanol-fixed HEK293 cells transfected with EphB4-hIgGFc using EphB4 antibody Cat.-No AM06328SU-N (green), showing membrane localization. Blue: DRAQ5 fluorescent DNA dye.