

## Mouse Monoclonal Antibody to EphB4

<b>Catalogue Number</b>	sAP-0184
<b>Target Molecule</b>	<b>Name: EphB4</b> <b>Aliases:</b> HTK; MYK1; TYRO11 <b>MW: 108kDa</b> <b>Entrez Gene ID: 2050</b>
<b>Description</b>	EphB4: EPH receptor B4. Ephrin receptors and their ligands, the ephrins, mediate numerous developmental processes, particularly in the nervous system. 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. The Eph family of receptors are divided into 2 groups based on the similarity of their extracellular domain sequences and their affinities for binding ephrin-A and ephrin-B ligands. Ephrin receptors make up the largest subgroup of the receptor tyrosine kinase (RTK) family. The protein encoded by this gene binds to ephrin-B2 and plays an essential role in vascular development.
<b>Immunogen</b>	Purified recombinant fragment of EphB4 (aa562-612) expressed in E. Coli. ;
<b>Recombinant Species</b>	Human
<b>Clone</b>	MM7H4A6;
<b>Size and Concentration</b>	100µg/1mg/ml
<b>Supplied as</b>	Lyophilized Powder from 100µl of Ascitic fluid containing 0.03% sodium azide.
<b>Reconstitution/Storages</b>	Reconstituted with 100µl sterile DI H <sub>2</sub> O, at stored at 4°C or -20°C for short or long term storage
<b>Applications</b>	ELISA: 1 to 10000; WB: 1 to 500 - 1 to 2000
<b>Shipping</b>	Regular FEDEX overnight shipment (ambient temperature)
<b>Reference</b>	1. Biochem Biophys Res Commun. 2004 Aug 27;321(3):681-7. ; 2. Cancer Res. 2005 Jun 1;65(11):4623-32. ; 3. Development. 2005 Sep;132(18):4097-106. ;

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**