

Product datasheet for **TA385949**

Eph receptor A2 (EPHA2) Rabbit Monoclonal Antibody [Clone ID: 1C1]

Product data:

Product Type:	Primary Antibodies
Clone Name:	1C1
Applications:	ELISA, FC, IF, WB
Reactivity:	Human
Host:	Rabbit
Isotype:	IgG, kappa
Clonality:	Monoclonal
Immunogen:	1C1 was isolated after screening of a non-immunized human Fab phage library. Selection was based on the ability to bind soluble human recombinant EphA2 (residues 183-510). The Fab was subsequently converted to full length human IgG1.
Specificity:	<p>1C1 binds specifically to the amino-terminal LBD (ligand-binding domain) region of the EphA2 ectodomain (IgG1 KD ~0.8 nM; Fab KD ~140 nM) and not to other related human Eph receptors such as EphA1, EphA2, and EphA4, or any EphB receptor family members.</p> <p>This antibody binds to human Ephrin type-A receptor 2, a receptor tyrosine kinase that binds to membrane-bound ephrin-A ligands residing on adjacent cells, triggering contact-dependent signaling into neighboring cells. Eph2A is involved in pattern formation during development, angiogenesis and osteoblastogenesis. Eph2A has also been found to be expressed in a variety of cancers. This antibody acts as an agonist of Eph2A signaling. The agonist properties of 1C1 is due to ligand mimicry by VDR3. After cell binding, the antibody is able to induce rapid tyrosine phosphorylation, internalization, and degradation of the EphA2 receptor.</p>
Formulation:	PBS with 0.02% Proclin 300.
Concentration:	lot specific
Conjugation:	Unconjugated
Storage:	Please store at 4°C for up to 3 months. For longer storage, aliquot and store at -20°C. Avoid freeze and thaw cycles.
Stability:	3 years from dispatch.
Gene Name:	EPH receptor A2



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Synonyms: ARCC2; ECK

Note: This chimeric rabbit antibody was made using the variable domain sequences of the original Human IgG1 format, for improved compatibility with existing reagents, assays and techniques.