

## Product datasheet

# Anti-Eph receptor B4 antibody ab10618

### 製品の概要

製品名	Anti-Eph receptor B4 antibody
製品の詳細	Goat polyclonal to Eph receptor B4
由来種	Goat
アプリケーション	<b>適用あり:</b> ELISA, Dot blot, Inhibition Assay
種交差性	<b>交差種:</b> Mouse
免疫原	Purified recombinant mouse EphB4 extracellular domain expressed in mouse NSO cells.

### 製品の特性

製品の状態	Liquid
保存方法	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.
バッファー	Preservative: None Constituents: PBS
精製度	Immunogen affinity purified
ポリ/モノ	ポリクローナル
アイソタイプ	IgG

### アプリケーション

Our [Abpromise guarantee](#) covers the use of **ab10618** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

アプリケーション	Abreviews	特記事項
ELISA		
Dot blot		
Inhibition Assay		

### 追加情報

Dot: Use at a concentration of 0.1 - 0.2 µg/ml. The detection limit for recombinant mouse EphB4 is approximately 5 ng/lane under non-reducing and reducing conditions.

ELISA: Use at a concentration of 0.5 - 1.0 µg/ml, detection limit 1.5 ng/well.  
Inhib: Use at a concentration of 0.5 - 2 µg/ml. For neutralization of receptor-ligand interaction, approximately 0.5-2 µg/ml of the antibody will block 50% of the binding of recombinant mouse ephrin-B2/ (5 ng/ml) to immobilized recombinant mouse EphB4/Fc chimera (100 µl of a 2 µg/ml solution coated in each well).

The recombinant mouse EphB4 used for the testing of this antibody consists of the extracellular domain of mouse EphB4 (amino acids 1-539) fused by means of a polypeptide linker to the Fc portion of human IgG1 that is histidine-tagged at the C-terminus. N-terminal sequencing indicates that recombinant mouse EphB4/Fc has Leu 16 at the amino terminus. The calculated molecular mass of the reduced protein is approximately 85.2 kDa, but as a result of glycosylation, recombinant EphB4/Fc migrates as an approximately 110 kDa protein under reducing conditions in SDS-PAGE. EphB4 binds to ephrin-B1 and ephrin-B2. Human and mouse EphB4 extracellular domains share approximately 88% homology.

Not tested in other applications.  
Optimal dilutions/concentrations should be determined by the end user.

## ターゲット情報

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機能	Receptor for members of the ephrin-B family. Binds to ephrin-B2. May have a role in events mediating differentiation and development.
組織特異性	Abundantly expressed in placenta and in a range of primary tissues and malignant cell lines. Expressed in fetal, but not adult, brain, and in primitive and myeloid, but not lymphoid, hematopoietic cells.
配列類似性	Belongs to the protein kinase superfamily. Tyr protein kinase family. Ephrin receptor subfamily. Contains 2 fibronectin type-III domains. Contains 1 protein kinase domain. Contains 1 SAM (sterile alpha motif) domain.
翻訳後修飾	Autophosphorylated.
細胞内局在	Membrane.

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**Please note:** All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE"

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