

## CD202b / TIE2 / TEK (Tyrosine Kinase with Ig and EGF Homology Domains 2) Antibody

Mouse Monoclonal Antibody [Clone TEK/9412]

Catalog No	Format	Size
7010-MSM11-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
7010-MSM11-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
7010-MSM11-P1ABX	Purified Ab WITHOUT BSA and Azide at 1.0mg/ml	100 ug

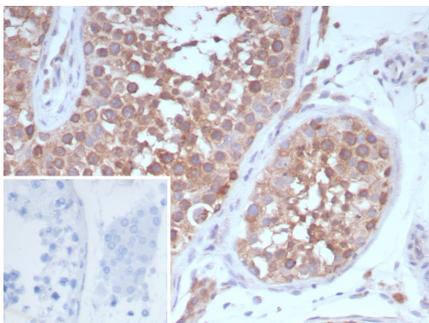
Applications	Tested Dillution	Note
Immunohistochemistry (IHC)	1-2ug/ml	30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes
Western Blot (WB)	2-4ug/ml	

### Product Details

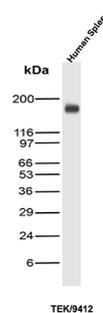
<b>Clone</b>	TEK/9412
<b>Gene Name</b>	TEK
<b>Immunogen</b>	Recombinant fragment (around aa700-1000) of human TEK protein (exact sequence is proprietary)
<b>Host</b>	Mouse
<b>Clonality</b>	Monoclonal
<b>Isotype / Light Chain</b>	IgG1 / Kappa
<b>Mol. Weight of Antigen</b>	65kDa
<b>Cellular Localization</b>	Cell membrane, Cytoplasm, Secreted
<b>Species Reactivity</b>	Human
<b>Positive Control</b>	Human lung, placenta or spleen.

\*Optimal dilution for a specific application should be determined.

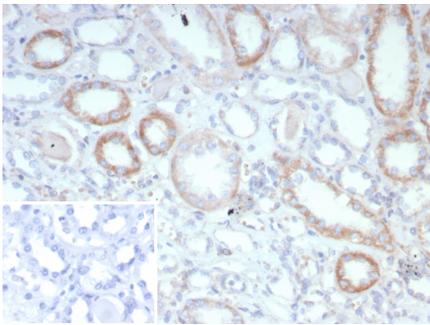
### Product Images for CD202b / TIE2 / TEK (Tyrosine Kinase with Ig and EGF Homology Domains 2) Antibody



Formalin-fixed, paraffin-embedded human testis stained with TEK Mouse Monoclonal Antibody (TEK/9412). Inset: PBS instead of primary antibody; secondary only negative control.



Western Blot Analysis of human spleen lysate using TEK / TIE2 Mouse Monoclonal Antibody (TEK/9412).



Formalin-fixed, paraffin-embedded human renal cell carcinoma stained with TEK Mouse Monoclonal Antibody (TEK/9412). Inset: PBS instead of primary antibody; secondary only negative control.

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### Specificity & Comments

This gene encodes a receptor that belongs to the protein tyrosine kinase Tie2 family. The encoded protein possesses a unique extracellular region that contains two immunoglobulin-like domains, three epidermal growth factor (EGF)-like domains and three fibronectin type III repeats. The ligand angiopoietin-1 binds to this receptor and mediates a signaling pathway that functions in embryonic vascular development. Mutations in this gene are associated with inherited venous malformations of the skin and mucous membranes. Alternative splicing results in multiple transcript variants. Additional alternatively spliced transcript variants of this gene have been described, but their full-length nature is not known.

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### Limitations and Warranty

This antibody is available for research use only and is not approved for use in diagnosis. There are no warranties, expressed or implied, which extend beyond this description. Company is not liable for any personal injury or economic loss resulting from this product.

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### Supplied As

200ug/ml of Ab purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.

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### Storage and Stability

Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

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### Research Areas

Immuno Oncology

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