

# Product Datasheet

## **B220/CD45R Antibody (HIS24) - BSA Free NBP1-43408**

Unit Size: 0.1 mg

Store at 4C. Do not freeze.

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Updated 2/21/2025 v.20.1

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**NBP1-43408**

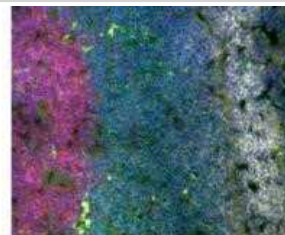
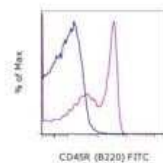
B220/CD45R Antibody (HIS24) - BSA Free

<b>Product Information</b>	
<b>Unit Size</b>	0.1 mg
<b>Concentration</b>	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
<b>Storage</b>	Store at 4C. Do not freeze.
<b>Clonality</b>	Monoclonal
<b>Clone</b>	HIS24
<b>Preservative</b>	0.09% Sodium Azide
<b>Isotype</b>	IgG2b Kappa
<b>Purity</b>	Protein A or G purified
<b>Buffer</b>	PBS (pH 7.2)
<b>Product Description</b>	
<b>Host</b>	Mouse
<b>Gene ID</b>	5788
<b>Gene Symbol</b>	PTPRC
<b>Species</b>	Rat
<b>Immunogen</b>	The immunogen for this antibody was CD45R.
<b>Product Application Details</b>	
<b>Applications</b>	Western Blot, Flow Cytometry, Immunohistochemistry, Immunohistochemistry-Frozen
<b>Recommended Dilutions</b>	Western Blot 1:100-1:2000, Flow Cytometry 1:10-1:1000, Immunohistochemistry 1:10-1:500, Immunohistochemistry-Frozen

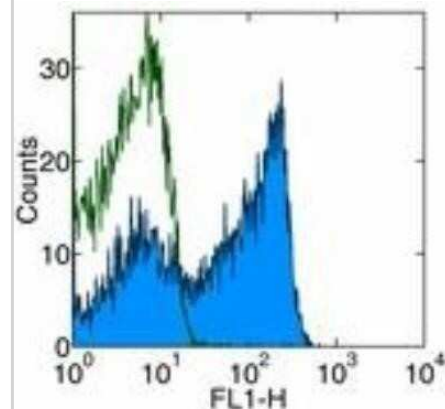


## Images

Immunohistochemistry-Frozen: B220/CD45R Antibody (HIS24) [NBP1-43408] - Staining of rat splenocytes with 0.5 ug of Mouse IgG2b K Isotype Control FITC (blue histogram) or 0.5 ug of Anti-Rat CD45R (B220) FITC (purple histogram). Cells in the lymphocyte gate were used for analysis (left). Immunohistochemistry of frozen rat spleen using 10 ug/mL Anti-Rat CD45R (B220) FITC (green), 10 ug/mL Anti-Rat Marginal Zone B Cells eFluor 660 (white), and 10 ug/mL Anti-Rat CD3 Biotin followed by 1 ug/mL Streptavidin eFluor (R) 570 (red). Nuclei are stained with DAPI (blue)(right).



Flow Cytometry: B220/CD45R Antibody (HIS24) [NBP1-43408] - Analysis using the FITC conjugate of NBP1-43408. Staining of rat splenocytes with 0.05 ug of Mouse IgG2b K Isotype Control FITC (open histogram) or 0.05 ug of Anti-Rat CD45R (B220) FITC (filled histogram). Total viable cells were used for analysis.



## Publications

de Silva L, van den Beucken JJJP, Rosenberg AJWP et al. Unraveling devitalization: its impact on immune response and ectopic bone remodeling from autologous and allogeneic callus mimics. Stem cells translational medicine 2024-09-14 [PMID: 39276211]



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### **Products Related to NBP1-43408**

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HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-43317-0.5mg	Mouse IgG2b Kappa Light Chain Isotype Control (MG2b)
NBP1-44007	B220/CD45R Antibody (HIS24) [FITC]

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### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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