

# Product Datasheet

## Aminopeptidase N/CD13 Antibody (APN/514) [Alexa Fluor® 700]

**NBP2-47892AF700**

Unit Size: 0.1 ml

Store at 4C in the dark.

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**NBP2-47892AF700**

Aminopeptidase N/CD13 Antibody (APN/514) [Alexa Fluor® 700]

<b>Product Information</b>	
<b>Unit Size</b>	0.1 ml
<b>Concentration</b>	Please see the vial label for concentration. If unlisted please contact technical services.
<b>Storage</b>	Store at 4C in the dark.
<b>Clonality</b>	Monoclonal
<b>Clone</b>	APN/514
<b>Preservative</b>	0.05% Sodium Azide
<b>Isotype</b>	IgG1 Kappa
<b>Conjugate</b>	Alexa Fluor 700
<b>Purity</b>	Protein A or G purified
<b>Buffer</b>	50mM Sodium Borate
<b>Product Description</b>	
<b>Host</b>	Mouse
<b>Gene ID</b>	290
<b>Gene Symbol</b>	ANPEP
<b>Species</b>	Human
<b>Marker</b>	Myeloid Cell Marker
<b>Specificity/Sensitivity</b>	This monoclonal antibody recognizes an extracellular epitope of an integral membrane glycoprotein of 150kDa, identified as CD13. This antigen is present on most cells of myeloid origin including granulocytes, monocytes, mast cells, and GM-progenitor cells. It is also expressed by the majority of AML, CML in myeloid blast crisis, and in a smaller fraction of lymphoid leukemias. It is absent from normal lymphocytes, platelets and erythrocytes. CD13 is also present on fibroblasts; endothelial cells, epithelial cells from renal proximal tubules and intestinal brush border, bone marrow stromal cells, osteoclasts, and cells lining bile duct canaliculi. CD13 is identical to aminopeptidase N (APN), a prominent membrane-bound metalloprotease present on the surface of intestinal brush border and renal tubules. CD13 plays a role in metabolism of biologically active peptides, in phagocytosis, and in bactericidal/tumoricidal activities. It also serves as a receptor for human coronaviruses (HCV). The lineage-restricted pattern of expression of CD13 within the hemopoietic compartment suggests that it may be important in myeloid cell differentiation.
<b>Immunogen</b>	Recombinant human Aminopeptidase N/CD13 protein (Uniprot: P15144)

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<b>Product Application Details</b>	
<b>Applications</b>	ELISA
<b>Recommended Dilutions</b>	ELISA
<b>Application Notes</b>	Optimal dilution of this antibody should be experimentally determined.



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### **Products Related to NBP2-47892AF700**

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IC002N	Mouse IgG1 Isotype Control (11711) [Alexa Fluor® 700]
NBP2-33855PEP	Aminopeptidase N/CD13 Recombinant Protein Antigen
210-TA-005	TNF-alpha [Unconjugated]
3815-ZN-010	Aminopeptidase N/CD13 [Unconjugated]

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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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