

# Product Datasheet

## **ALK/CD246 Antibody (ALK/1032) [mFluor Violet 610 SE] NBP3-08772MFV610**

Unit Size: 0.1 ml

Store at 4C in the dark.

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Updated 11/11/2025 v.20.1

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**NBP3-08772MFV610**

ALK/CD246 Antibody (ALK/1032) [mFluor Violet 610 SE]

Product Information	
Unit Size	0.1 ml
Concentration	Please see the vial label for concentration. If unlisted please contact technical services.
Storage	Store at 4C in the dark.
Clonality	Monoclonal
Clone	ALK/1032
Preservative	0.05% Sodium Azide
Isotype	IgG2b Kappa
Conjugate	mFluor Violet 610 SE
Purity	Protein A or G purified
Buffer	50mM Sodium Borate

Product Description	
Host	Mouse
Gene ID	238
Gene Symbol	ALK
Species	Human
Specificity/Sensitivity	The wild-type anaplastic lymphoma kinase (ALK) protein is a 200kDa transmembrane receptor tyrosine kinase. Its expression is restricted to a few scattered cells in the nervous system (some glial cells and neurons, and a few endothelial cells and pericytes. The hybrid gene, NPM-ALK, created by the t(2;5) (p23;q35) chromosomal translocation encodes part of the nucleolar phosphoprotein, nucleophosmin (NPM), joined to the entire cytoplasmic portion of the anaplastic lymphoma kinase (ALK) receptor tyrosine kinase. As a consequence, the ALK gene comes under the control of the NPM promoter, which induces a permanent and ubiquitous transcription of the NPM-ALK hybrid gene, resulting in the production of a 80kDa NPM-ALK chimeric protein. This translocation is found in anaplastic large cell lymphomas (ALCL). Reportedly, expression of ALK indicates a better prognosis. Approximately 5%-10% of non-small cell lung carcinomas also express ALK protein producing a cytoplasmic staining pattern. This monoclonal antibody also reacts with blood vessels that serves as an internal positive control.
Immunogen	Recombinant fragment (around aa 220-335) of human ALK/CD246 protein (exact sequence is proprietary) (Uniprot: Q9UM73)
Notes	mFluor(TM) is a trademark of AAT Bioquest, Inc. This conjugate is made on demand. Actual recovery may vary from the stated volume of this product. The volume will be greater than or equal to the unit size stated on the datasheet.

Product Application Details	
Applications	Western Blot
Recommended Dilutions	Western Blot
Application Notes	Optimal dilution of this antibody should be experimentally determined.





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### **Products Related to NBP3-08772MFV610**

NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
NBP1-43317MFV610	Mouse IgG2b Kappa Light Chain Isotype Control (MG2b) [mFluor Violet 610 SE]
NBP2-48518PEP	ALK/CD246 Recombinant Protein Antigen
DPI00	SLPI [HRP]

### **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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