# Expand Your ALK Testing Menu With New ALK FLEX RTU Antibody

High-performing<sup>1</sup> clone OTI1A4 for ALK is now available in FLEX RTU format for Dako Omnis



### Is one testing technique sufficient for ALK testing?

ALK (anaplastic lymphoma kinase) is an important biomarker in lung cancer<sup>2</sup> but it is also a challenging biomarker to detect and inconclusive results are sometimes observed<sup>2</sup>. More than one testing technique may be needed to diagnose these difficult cases.

The Dako Omnis ALK RTU antibody is based on the OTI1A4 clone and can be implemented as an additional IHC technique for ALK testing in non-squamous cell lung cancer. The OTI1A4 clone shows high performance when compared head-to-head with other clones in peer-reviewed studies<sup>3-5</sup> and EQA schemes, see Table 1.

Table 1. NordiQC run 57 2019, Lung ALK

Concentrated Antibodies	Pass rate	Number of users
Clone OTI1A4	92%	25
Clone D5F3	89%	28
Clone 5A4	81%	32

Staning with ALK FLEX RTU GA785 clone OTI1A4 on low-expressor tissue (appendix), and three clinical tissues (lung adenocarcinomas with EML4-ALK rearrangement)



Figure 1. The ganglion cells and axons of the myenteric plexus show a weak to moderate, distinct cytoplasmic staining reaction.

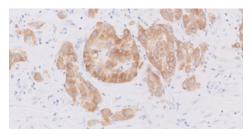
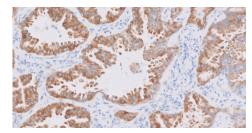


Figure 2. Weak to strong cytoplasmic staining of tumor cells containing the ELM4-ALK rearrangement.



**Figure 3.** Weak to strong cytoplasmic staining of tumor cells containing the ELM4-ALK rearrangement.

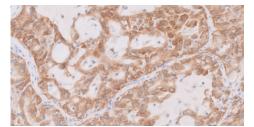


Figure 4. Weak to strong cytoplasmic staining of tumor cells containing the ELM4-ALK rearrangement.



#### **ALK Testing**

We have additional testing modalities for ALK testing. Reach out to your Agilent representative for more information on our other ALK testing options.



# Incorporate ALK RTU into your Dako Omnis workflow

The standardized FLEX RTU concept and the Dako Omnis workflow capabilities work together to enable your lab to run the required tests for your patients efficiently, minimizing hands-on time related to sorting and re-assembly of cases, and accelerating time to diagnosis<sup>6</sup>.



# Workflow benefits

The FLEX RTU concept provides a simple, efficient workflow:

- Fully calibrated antibodies that ensure easy and straightforward implementation
- Appropriate plug-and-play protocols to ensure that the antigen is correctly demonstrated in both high and low tissue expression structures
- Precise control recommendations support monitoring of staining results and efficient QC

This supports your lab in achieving reliable and reproducible diagnostic results.

Table 2. Ordering details

Target	Product	Package Size	Part No.
ALK	FLEX Monoclonal Mouse Anti-Human CD246, ALK Protein, Clone OTI1A4, Ready-to-Use (Dako Omnis)	12 mL, 60 tests	GA78561-2

# Integrated quality control

Dako Omnis is designed with a host of integrated quality control features to ensure accurate staining results:

- A double check of reagent vials helps avoid dispensing problems and ensures that the necessary volumes are dispensed onto the slides
- The Dynamic Gap Staining process provides full and even reagent coverage of the slide to deliver consistent staining slide after slide
- A temperature-controlled reagent environment maintains reagent integrity, and a stable temperature (32 °C) throughout the staining process
- Full traceability of patient cases

### References

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