



Technical Data Sheet

Product **Anti-alpha-Tubulin Alexa Fluor® 488**  
Cat. Number/Size **A4-886-C100** **0.1 mg**  
**For Research Use Only.**  
**Not for use in diagnostic or therapeutic procedures.**

|                     |                                                                                                                                                                                       |
|---------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Antigen             | alpha-Tubulin                                                                                                                                                                         |
| Clone               | YOL1/34                                                                                                                                                                               |
| Format              | Alexa Fluor® 488                                                                                                                                                                      |
| Reactivity          | Mouse, Rat, Mammalian, Avian, Yeast, Human                                                                                                                                            |
| Application         | WB, IHC-P, ICC, IHC-F, FC-IC                                                                                                                                                          |
| Application details | Immunocytochemistry: Recommended dilution: 2-10 µg/ml.                                                                                                                                |
| Excitation laser    | blue (488 nm)                                                                                                                                                                         |
| Isotype             | Rat IgG2a                                                                                                                                                                             |
| Specificity         | The rat monoclonal antibody YOL1/34 recognizes an epitope of alpha-tubulin localized between amino acids 414-422. It has higher affinity for fixed microtubules than for native ones. |
| Other names         | TUBA                                                                                                                                                                                  |
| Immunogen           | Yeast tubulin                                                                                                                                                                         |
| Entrez Gene ID      | 7277                                                                                                                                                                                  |
| Gene name           | TUBA1                                                                                                                                                                                 |
| NCBI Full Gene Name | tubulin alpha 1                                                                                                                                                                       |
| UniProt ID          | Q71U36                                                                                                                                                                                |

|                      |                                                                                                                                                                                        |
|----------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Concentration        | 0.1 mg/ml                                                                                                                                                                              |
| Preparation          | Purified antibody is conjugated with Alexa Fluor® 488 NHS ester under optimum conditions and unconjugated antibody and free fluorochrome are removed by size-exclusion chromatography. |
| Formulation          | Stabilizing phosphate buffered saline (PBS), pH 7.4, 15 mM sodium azide                                                                                                                |
| Storage and handling | Store at 2-8°C. Protect from prolonged exposure to light. Do not freeze.                                                                                                               |

Images and References [www.exbio.cz](http://www.exbio.cz)

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