

CK16 Mouse Conjugated Monoclonal Antibody

Catalog No: #C38011



Package Size: #C38011-AF350 100ul #C38011-AF405 100ul #C38011-AF488 100ul
 #C38011-AF555 100ul #C38011-AF594 100ul #C38011-AF647 100ul
 #C38011-AF680 100ul #C38011-AF750 100ul #C38011-Biotin 100ul

Orders: order@signalwayantibody.com
 Support: tech@signalwayantibody.com

Description

| | |
|---------------------|--|
| Product Name | CK16 Mouse Conjugated Monoclonal Antibody |
| Host Species | Mouse |
| Clonality | Monoclonal |
| Species Reactivity | Hu Ms Rt |
| Specificity | The CK16 Mouse Monoclonal antibody detects endogenous CK16 proteins. |
| Conjugates | Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750 |
| Other Names | CK-16; CK16; cytokeratin 16; Cytokeratin-16; FNEPPK |
| Accession No. | Swiss-Prot#:P08779 |
| Uniprot | P08779 |
| GeneID | 3868; |
| Excitation Emission | AF350: 346nm/442nm AF405: 401nm/421nm AF488: 493nm/519nm AF555: 555nm/565nm AF594: 591nm/614nm AF647: 651nm/667nm AF680: 679nm/702nm AF750: 749nm/775nm |
| Calculated MW | 51 |
| Formulation | 0.01M Sodium Phosphate, 0.25M NaCl, pH 7.6, 5mg/ml Bovine Serum Albumin, 0.02% Sodium Azide |
| Storage | Store at 4°C in dark for 6 months |

Application Details

Suggested Dilution:

AF350 conjugated: most applications: 1: 50 - 1: 250

AF405 conjugated: most applications: 1: 50 - 1: 250

AF488 conjugated: most applications: 1: 50 - 1: 250

AF555 conjugated: most applications: 1: 50 - 1: 250

AF594 conjugated: most applications: 1: 50 - 1: 250

AF647 conjugated: most applications: 1: 50 - 1: 250

AF680 conjugated: most applications: 1: 50 - 1: 250

AF750 conjugated: most applications: 1: 50 - 1: 250

Biotin conjugated: working with enzyme-conjugated streptavidin, most applications: 1: 50 - 1: 1,000

Background

Keratin 16 is expressed in keratinocytes, which are undergoing rapid turnover in the suprabasal region (also known as hyperproliferation-related keratins). Keratin 16 is absent in normal breast tissue and in noninvasive breast carcinomas. Only 10% of the invasive breast carcinomas show diffuse or focal positivity. Reportedly, a relatively high concordance was found between the carcinomas immunostaining with the basal cell and the hyperproliferation-related keratins, but not between these markers and the proliferation marker Ki-67. This supports the conclusion that basal cells in breast cancer may show extensive proliferation, and that absence of Ki-67 staining does not mean that (tumor) cells are not proliferating.

Note: This product is for in vitro research use only