

Praktický kurz konfokální mikroskopie: vícečetné fluorescenční značení, dekonvoluce, kolokalizace, 3D rekonstrukce

seznam preparátů

antigen 1	zdroj	antigen 2	zdroj	sekundární Ab + značka	zdroj	sekundární Ab + značka	zdroj	DAPI	materiál	sklíčko	jamka	poznámka
Actin		Vinculin	mouse monoclonal Ab	Phalloidin Alexa Fluor 488		anti-mouse Ab Alexa Fluor 568	goat	ano	osteosarcoma cells	1		TE 2000
Lysosomal associated membrane protein 2 (LAMP 2, lysosomal marker)	rabbit polyclonal antibody	Protein disulfide isomerase (PDI, endoplasmic reticulum marker)	mouse monoclonal Ab	anti-rabbit Ab Alexa Fluor 488	goat	anti-mouse Ab Alexa Fluor 555	donkey	ano	human fibroblasts	2	3	TE 2000/E400
Lysosomal associated membrane protein 2 (LAMP 2, lysosomal marker)	rabbit polyclonal antibody	Golgi 58K (golgi apparatus marker)	mouse monoclonal Ab	anti-rabbit Ab Alexa Fluor 488	goat	anti-mouse Ab Alexa Fluor 555	donkey	ano	human fibroblasts	2	2	TE 2000/E400
Lysosomal associated membrane protein 2 (LAMP 2, lysosomal marker)	rabbit polyclonal antibody	Cytochrome oxidase subunit I (COXI, mitochondrial marker)	mouse monoclonal Ab	anti-rabbit Ab Alexa Fluor 488	goat	anti-mouse Ab Alexa Fluor 555	donkey	ano	human fibroblasts	2	1	TE 2000/E400, mitochondrie jsou lehce vygranulované
Lysosomal associated membrane protein 2 (LAMP 2, lysosomal marker)	rabbit polyclonal antibody			anti-rabbit Ab Alexa Fluor 568	goat			ano	human fibroblasts	3	3	TE 2000, spektrální detekce
		Cytochrome oxidase subunit I (COXI, mitochondrial marker)	mouse monoclonal Ab			anti-mouse Ab Alexa Fluor 555	donkey	ano	human fibroblasts	3	2	TE 2000, spektrální detekce
Lysosomal associated membrane protein 2 (LAMP 2, lysosomal marker)	rabbit polyclonal antibody	Cytochrome oxidase subunit I (COXI, mitochondrial marker)	mouse monoclonal Ab	anti-rabbit Ab Alexa Fluor 568	goat	anti-mouse Ab Alexa Fluor 555	donkey	ano	human fibroblasts	3	1	TE 2000, spektrální detekce, E400 demonstrace cross-talk
Lysosomal associated membrane protein 2 (LAMP 2, lysosomal marker)	rabbit polyclonal antibody	Lysosomal associated membrane protein 2a (LAMP 2a, lysosomal marker)	mouse monoclonal Ab	anti-rabbit Ab Alexa Fluor 488	goat	anti-mouse Ab Alexa Fluor 555	donkey	ano	human fibroblasts	4	3	TE 2000
Glial fibrillary acidic protein (GFAP)	rabbit polyclonal antibody	CD68 (macrophage marker)	mouse monoclonal Ab	anti-rabbit Ab Alexa Fluor 488	goat	anti-mouse Ab Alexa Fluor 555	donkey	ne	brain cortex, Prosaposin deficiency	5		TE 2000/E400

Point spread function (PSF) měření

	velikost	excitace/emise	montovací médium	poznámka
Pspeck	175nm	360/440	Immumount (Shandon)	TE2000
Pspeck	175nm	505/515	Immumount (Shandon)	TE2000
Pspeck	175nm	540/560	Immumount (Shandon)	TE2000
Pspeck	175nm	633/660	Immumount (Shandon)	TE2000
Pspeck	175nm	mix všech	Immumount (Shandon)	TE2000 spektrální detekce

Live Cell imaging - Mitotracker Red (Invotrogen, Molecular Probes, TE 2000)