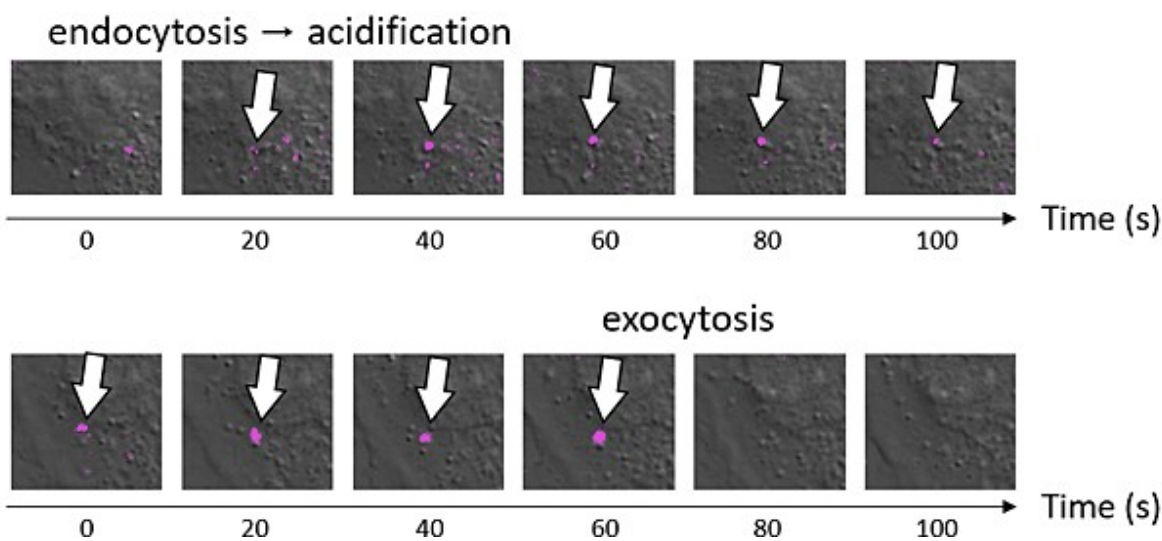
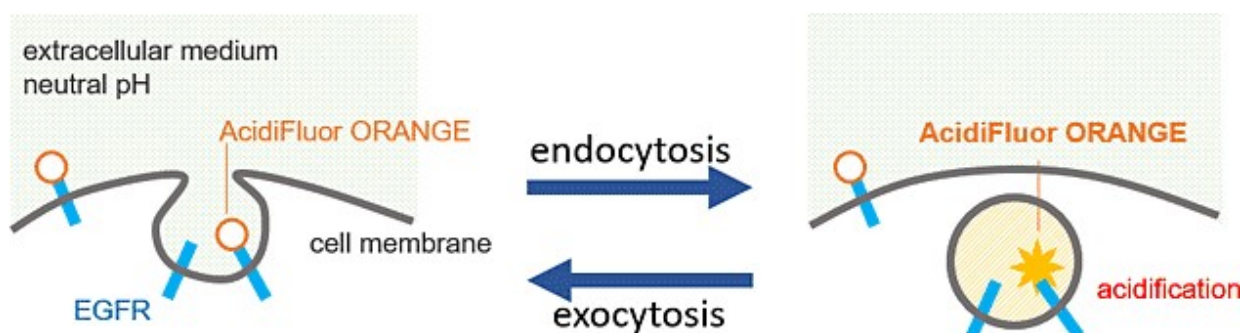


For research use only

HaloTag® AcidiFluor™ ORANGE Ligand

Catalog no.	Product name	Amount	Storage upon receipt	Stability
GC310-01	HaloTag® AcidiFluor™ ORANGE Ligand	30 nmol	≤-20° C, desiccate and protect from light.	1 year (when unopened and stored as described.)
GC310-02		60 nmol		



Time lapse imaging of endocytosis and exocytosis using HaloTag® AcidiFluor™ ORANGE Ligand. HaloTag® AcidiFluor™ ORANGE Ligand is bound to EGFR via HaloTag® which is exposed to the cell surface. It does not show fluorescence on the cell surface because it is exposed to the extracellular neutral buffer solution. Acidification of endocytotic vesicles comprising EGFR increases the fluorescence due to the lower pH. On the other hand, exocytosis of the vesicle instantaneously increases the pH and reduces the fluorescence significantly