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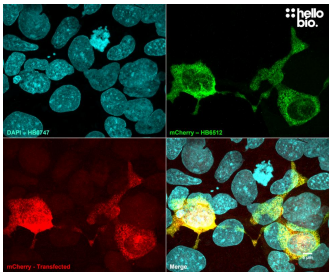
DATASHEET

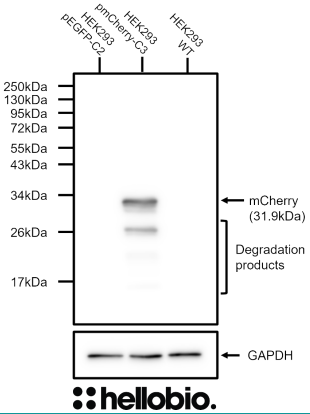
Anti-mCherry Antibody ValidAb™

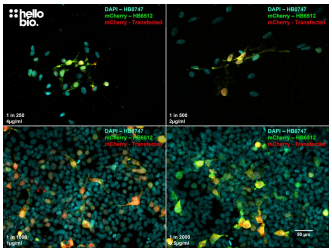
Product overview

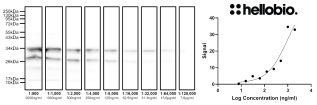
Name	Anti-mCherry Antibody ValidAb™
Cat No	HB6512
Host	Rabbit
Clonality	Polyclonal
Target	mCherry
Description	Antibody to mCherry - red coloured fluorescent protein widely used as a tag in molecular biology

Validation data









Product information

Immunogen	Recombinantly expressed full-length mCherry protein
Purification	Affinity chromatography using immunogen as ligand
Concentration	1mg/ml
Formulation	50% PBS, 50% glycerol + 5mM sodium azide
Predicted species reactivity	Species Independent
Tested species reactivity	Species Independent

Tested applications

Applications	ICC, WB
Western blot optimal concentration	Dependent upon sample mCherry expression. We used 100ng/ml (1:10,000 dilution) in pmCherry-C3 transfected HEK293 cells.
ICC optimal concentration	Dependent upon sample mCherry expression. We used 500ng/ml (1:2,000 dilution) in pmCherry-C3 transfected HEK293 cells.
Positive control	Any tissue or cell sample that has been engineered to express mCherry.
Negative control	Any wild type tissue or cellular sample.
Open data link	Please follow this link to OSF

Target information

Other names	Pamcherry
UniProt ID	D1MPT3
Gene name	PAmCherry
Amino acids	236 (26.8kDa)
Isoforms	None
Expression	Exogenously expressed only. Not natively expressed in mammalian cells.
Subcellular expression	mCherry is generally expressed in the cytosol however expression can be directed towards any cellular compartment through mCherry-tagged fusion proteins that traffick to specific compartments.
Processing	NA
Post translational modifications	NA
Similar proteins	None

Storage & Handling

Storage instructions	-20°C
Important	This product is for RESEARCH USE ONLY and is not intended for therapeutic or diagnostic use. Not for human or veterinary use

References

Improved monomeric red, orange and yellow fluorescent proteins derived from Discosoma sp. red fluorescent protein

Shaner N et al (2004) Nature Biotechnology 22(12)
PubMedID 15558047

Comparative assessment of fluorescent proteins for in vivo imaging in an animal model system

Heppert J et al (2016) Mol Biol Cell 27(22)
PubMedID 27385332

A guide to choosing fluorescent proteins

Shaner N, Steinbach P and Tsien R (2005) Nature Methods 2(12)
PubMedID 16299475

Rapidly maturing variants of the Discosoma red fluorescent protein (DsRed)

Bevis B and Glick B (2002) Nature Biotechnology 20(11)
PubMedID 11753367