

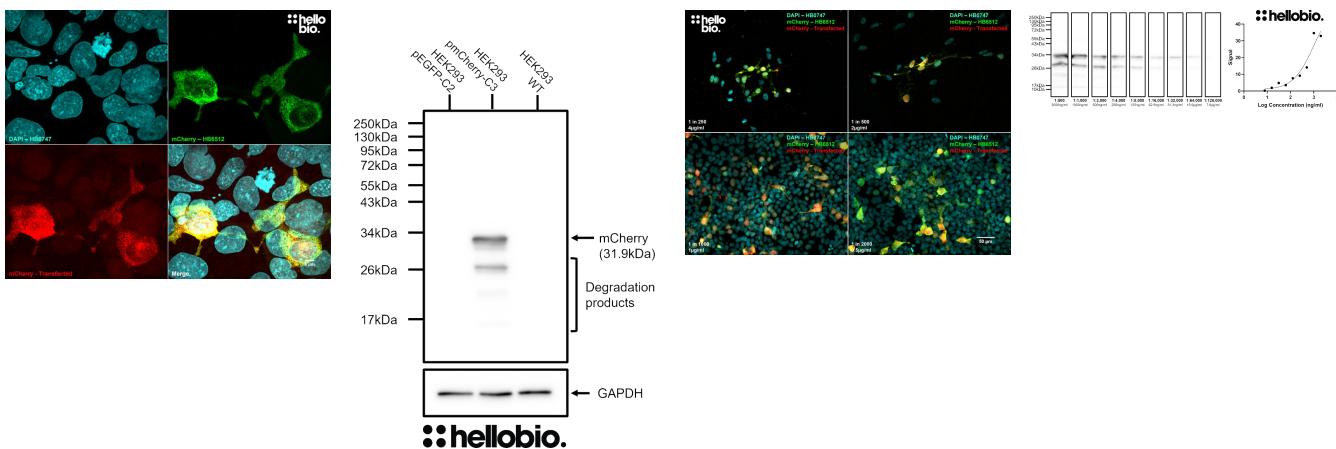
DATASHEET

Anti-mCherry Antibody ValidAbTM

Product overview

| | |
|-------------|--|
| Name | Anti-mCherry Antibody ValidAb TM |
| 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

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|------------------------------|---|
| 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

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|------------------------------------|---|
| 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. |

Target information

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|----------------------------------|--|
| 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. |
| Target function | None. Used widely in research to visualise specific proteins through mCherry-tagged recombinant constructs. |
| Processing | NA |
| Post translational modifications | NA |
| Similar proteins | None |

Storage & Handling

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|----------------------|--|
| 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)

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

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

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A guide to choosing fluorescent proteins

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

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

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

PubMedID [11753367](#)
