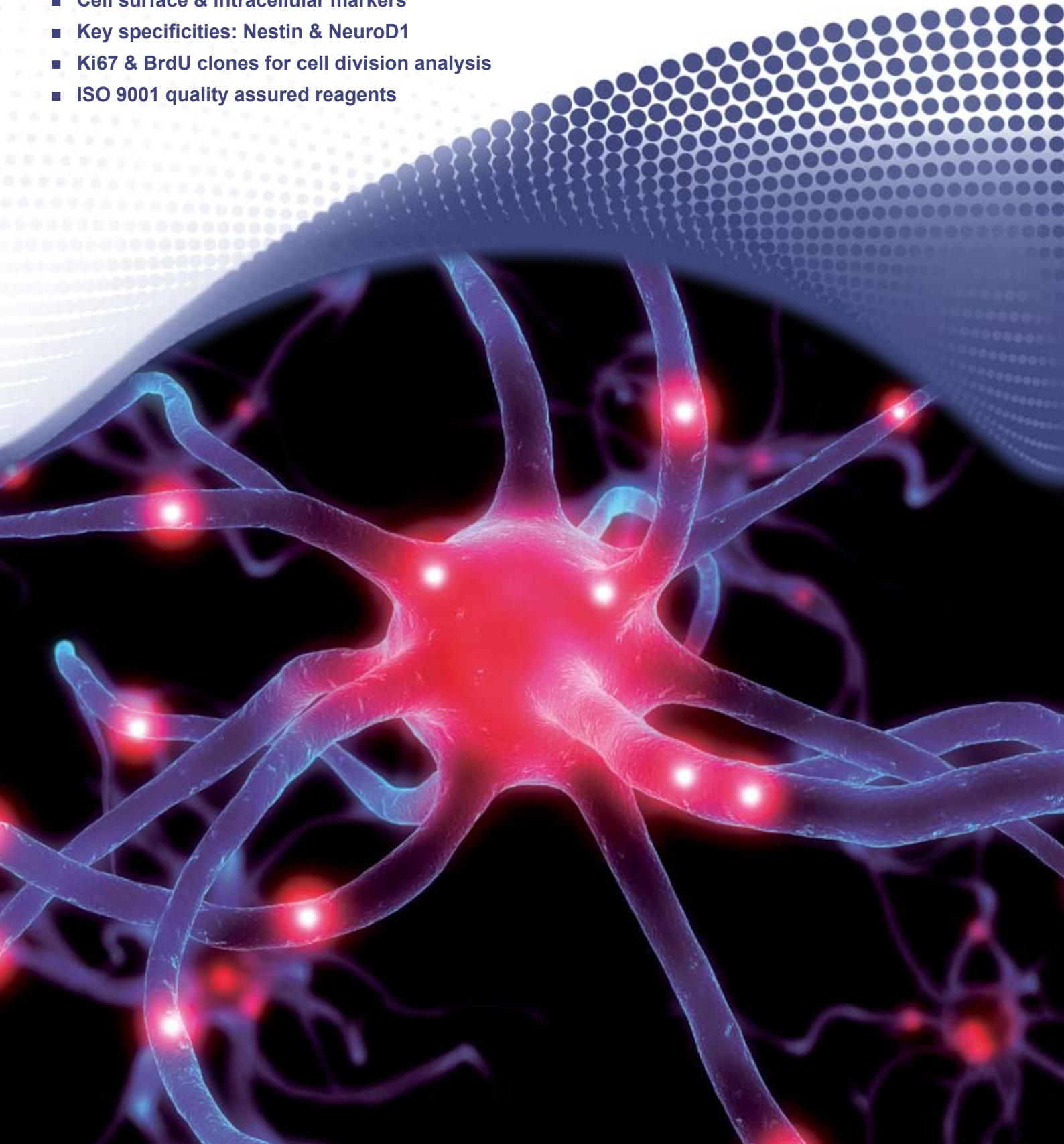


# Vital Tools for Neural Stem Cell Research

- Cell surface & intracellular markers
- Key specificities: Nestin & NeuroD1
- Ki67 & BrdU clones for cell division analysis
- ISO 9001 quality assured reagents



## Neural Stem Cells

Due to their role as multipotent precursors, which can give rise to a range of neuronal cell types, neural stem cells (NSCs) are believed to have important clinical implications for the treatment of neurological damage and disease.

The success of neural stem cell research is dependent upon specific tools which are required to facilitate the isolation, expansion, and characterization of these cells. As a leading supplier of immunological reagents, AbD Serotec offers an extensive range of antibodies for NSC biology, including the key specificities listed below.

### Intracellular Markers

Specificity	Species			Clone, Isotype	Format	Apps	Quantity	Product Code
	Host	Target	X-react					
NESTIN	Rabbit	Human	Co, Dg, Ha, Mk, Mo, Rt, Rb	Poly	Pur.	E, P, WB	50 ug	AHP1739
NESTIN	Mouse	Human		10C2, IgG1	Pur.	C, IB, P	0.1 mg	OBT1610
NESTIN	Rabbit	Human		Poly	Serum	C, IB, P	50 µl	OBT1611
NESTIN	Mouse	Rat	Mo	Rat-401 (4D4), IgG1	Pur.	C, P, WB	0.1 mg	6625-1010
NEUROD1	Mouse	Human		3H8, IgG2a	Az.Fr	IF, P*, WB	0.1 mg	MCA4081Z
VIMENTIN	Mouse	Human		3E9, IgG2a	Az.Fr	IF, WB	0.1 mg	MCA3544Z
VIMENTIN	Mouse	Human		VIM 3B4, IgG2a	Pur.	IB, P	50 µg	OBT3104
VIMENTIN	HuCAL	Human		2701, Fab Bivalent	Pur.	C, E, IP, P*, WB	0.1 mg	HCA032
VIMENTIN	Mouse	Pig	Co, Ca, Gp, Hu, Rb, Rt	V9, IgG1	Con	C, P*	1 ml	MCA862

### Cell Surface Markers

Specificity	Species			Clone, Isotype	Format	Apps	Quantity	Product Code
	Host	Target	X-react					
ABCG2 (CD338)	Mouse	Human		BXP-21, IgG2a	S/N	C, WB	1 ml	OBT1177
CXCR4 (CD184) (N-Terminal)	Rabbit	Human		Poly	Pur.	C, IP, WB	0.1 mg	AHP442
CXCR4 (CD184)	Rabbit	Human	Mo	Poly	Pur.	WB	0.1 mg	AHP443
Frizzled-9 (CD349) (N-Terminal)	Rabbit	Human	Mo, Rt	Poly	Pur.	P	50 µg	AHP1350

### Dividing Cells Markers

Specificity	Species		Clone, Isotype	Format	Apps	Quantity	Product Code	Alternative Formats
	Target	Host						
BrdU	Chemical	Rat	BU1/75 (ICR1), IgG2a	Pur.	F*, P*	0.2 mg	MCA2060	FITC, Alexa Fluor® 488, Alexa Fluor® 647
BrdU	Chemical	Mouse	Bu20a, IgG1	Pur.	C, F*, P*	0.2 mg	MCA2483	FITC
Ki67	Human	HuCAL	2531, Fab Bivalent	Pur.	C, E, P*, WB	0.1 mg	HCA006	FITC, Alexa Fluor® 647
Ki67	Human	Mouse	Ki67, IgG1	S/N	C, F*	2 ml	MCA289	
PCNA	Human	Rabbit	Poly	Pur.	E, P, WB	50 µg	AHP1419	
PCNA	Human	Mouse	PC10, IgG2a	Pur.	C, F*, IP, P*, WB	0.1 mg	MCA1558	FITC
PCNA	Human	Mouse	1G7, IgG2a	Az.Fr.	IF, WB	0.1 mg	MCA3328Z	

Ca = Cat, Co = Cow, Dg = Dog, Gp = Guinea Pig, Ha = Hamster, Hu = Human, Mk = Monkey, Mo = Mouse, Pg = Pig, Pr = Primate, Rt = Rat  
\* Requires special conditions – refer to datasheet

We have a number of alternative clones and formats, and a comprehensive array of markers for NSCs and the glial cell lineage. To view our full range of neuroscience antibodies, search on-line at: [www.abdserotec.com/neurology](http://www.abdserotec.com/neurology).

**North & South America** Tel: +1 800 265 7376  
Fax: +1 919 878 3751  
Email: [sales.us@abdserotec.com](mailto:sales.us@abdserotec.com)

**Europe** Tel: 00800 CALL 4ABD  
(00800 2255 4223)  
Fax: 00800 2FAX 2ABD  
(00800 2329 2223)  
Email: [sales.eu@abdserotec.com](mailto:sales.eu@abdserotec.com)

**Worldwide** Tel: +44 1865 852 700  
Fax: +44 1865 852 739  
Email: [sales@abdserotec.com](mailto:sales@abdserotec.com)

[www.abdserotec.com](http://www.abdserotec.com)

