

## TECHNICAL DATA SHEET

### CyFlow™ CD358 PE Anti-Hu; Clone DR-6-04-EC

**REF** BS736470

**For Research Use Only.**

**Not for use in diagnostic or therapeutic procedures.**

### Specifications

<b>Antigen</b>	CD358
<b>Alternative Names</b>	TNFRSF21, DR6
<b>Clone</b>	DR-6-04-EC
<b>Clonality</b>	monoclonal
<b>Format</b>	PE
<b>Host / Isotype</b>	Mouse / IgG1
<b>Species Reactivity</b>	Human
<b>Negative Species Reactivity</b>	—
<b>Quantity [Concentration]</b>	0.1 mg [ 0.1 mg/ml ]
<b>Immunogen</b>	A fusion protein representing amino acids 42-335 (extracellular part) of human DR6 linked to the Fc portion of human IgG1 was used as an immunogen

#### Contact Information:

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## Specificity

The mouse monoclonal antibody DR-6-04-EC recognizes human CD358 (DR6) antigen, a type I transmembrane protein containing cytoplasmic death domain, widely expressed in most human tissues and cell lines.

## Application

The reagent is designed for Flow Cytometry analysis. Suggested working usage is 10 µg/ml. Indicated dilution is recommended starting point for use of this product, but working concentrations should be validated by the investigator.

Other usages may be determined from the scientific literature.

## Storage Buffer

The reagent is provided in stabilizing phosphate buffered saline (PBS) solution, pH ≈7.4, containing 0.1% (w/v) sodium azide.

## Storage and Stability

<b>Storage</b>	Avoid prolonged exposure to light. Store in the dark at 2-8°C. Do not freeze.
<b>Stability</b>	Do not use after expiration date stamped on vial label.

## Background Information

CD358 (DR6; Death Receptor-6) is a type I transmembrane protein of the TNF receptor superfamily, expressed in most human tissues and able of inducing apoptosis through its cytoplasmic death domain. Unlike TNFR1 and Fas, DR6 induces apoptosis independently of FADD adaptor. In immune system, DR6 serves as an important regulator for CD4+ T cell proliferation and Th differentiation, and provides also a regulatory mechanism for B cell activation and humoral immune responses.

## References

- Pan G, Bauer JH, Haridas V, Wang S, Liu D, Yu G, Vincenz C, Aggarwal BB, Ni J, Dixit VM: Identification and functional characterization of DR6, a novel deathdomain-containing TNF receptor. FEBS Lett. 1998 Jul 24; 431(3):351-6. < PMID: 9714541 >
- Kasof GM, Lu JJ, Liu D, Speer B, Mongan KN, Gomes BC, Lorenzi MV: Tumor necrosis factor-alpha induces the expression of DR6, a member of the TNFreceptor family, through activation of NF-kappaB. Oncogene. 2001 Nov 29; 20(55):7965-75. < PMID: 11753679 >

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- Schmidt CS, Liu J, Zhang T, Song HY, Sandusky G, Mintze K, Benshop RJ, Glasebrook A, Yang DD, Na S: Enhanced B cell expansion, survival, and humoral responses by targeting death receptor 6. J Exp Med. 2003 Jan 6; 197(1):51-62. < PMID: 12515813 >
- Rossi D, Gaidano G: Messengers of cell death: apoptotic signaling in health and disease. Haematologica. 2003 Feb; 88(2):212-8. < PMID: 12604411 >

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The Safety Data Sheet for this product is available at [www.sysmex-partec.com/services](http://www.sysmex-partec.com/services).

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