

Anti-human CD3 / CD3 Bispecific Antibody (SP34-2 / OKT3) | PA008008.m1

Catalog No.: PA008008.m1 | **Isotype:** Mouse IgG1 Lambda | **In Vivo Grade**

Recombinant anti-human CD3 / CD3 bispecific antibodies have the same variable region sequences as the mouse anti-human CD3 antibody (clone number: OKT3) and the mouse anti-human CD3 antibody (clone number: SP34-2). The recombinant mouse IgG2a bispecific isotype control antibody available.

Product Specifications

Catalog No.	PA008008.m1
Product Name	Recombinant Anti-human CD3 / CD3 Bispecific Antibody, Mouse IgG1 lambda (Clone SP34-2 / OKT3), In Vivo Grade
Clone & Isotype	SP34-2 / OKT3. Mouse IgG1 Lambda
Synonyms	cluster of differentiation 3, CD3D, CD3E, CD3G
Applications	immunohistochemistry (IHC), Flow Cytometry (FC), and various in vitro and in vivo functional assays.
Immunogen / Host	The in vivo grade recombinant mouse anti-human CD3 / CD3 bispecific antibody (mouse IgG1 lambda) was produced in mammalian cells.
Purity & Endotoxin	>95% by SDS-PAGE under reducing conditions. Less than 1 EU/mg of protein as determined by LAL method.
Formulation	0.2 uM filtered solution of 1x PBS.
Stability & Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. 3 month from date of receipt, 2 to 8°C as supplied. 12 months from date of receipt, -20°C to -70°C as supplied.

Biological Description & Research Applications

The in vivo grade recombinant mouse anti-human CD3 / CD3 bispecific antibody (mouse IgG1 lambda) was produced in mammalian cells.

The OKT3 antibody binds to CD3 epsilon of the T cell receptor-CD3 complex found only on mature T cells and medullary thymocytes. An interaction between T cells, OKT3, and monocytes causes T-cell activation (mitogenesis) in vitro. On the other hand, the OKT3 antibody blocks the unique association between the antigen receptor and CD3, and both the generation and function of cytotoxic T cells.

The anti-human CD3 antibody (clone: SP34-2), a derivative of SP34, is known to cross-react with a major subset of peripheral blood lymphocytes in both human and non-human primates, including baboon, rhesus, cynomolgus, and pigtail macaque monkeys. The SP34-2 antibody specifically recognizes a major subset of CD3-positive cells from non-human primates, similar to its human counterpart.

Our recombinant anti-human OKT3 / SP34-2 bispecific antibodies have a part (variable regions) or complete amino acid sequences of the mouse anti-human CD3 antibody (hybridoma clone name or number: OKT3 and SP34-2).

Ordering & Technical Support

For custom volume ordering or inquiries, please visit the product webpage or contact our support team:

- **Product Webpage:** <https://www.ushelf.com/anti-human-cd3-sp34-2-okt3-bispecific-antibody-pa008008-m1/>
- **Order Phone:** 1-617-401-8149 | **Fax:** 1-617-606-5022
- **Support Email:** message@sydlabs.com