Mouse Monoclonal Anti-Human TNFSF8 (CD30 Ligand)

Catalog No. hAP-0168A | Clone MM0168-3G56 | Mouse IgG2

Product Name	Mouse Monoclonal Anti-Human TNFSF8 (CD30 Ligand)
Catalog Number	hAP-0168A
Size	100 ug
Clone	MM0168-3G56
Host / Isotype	Mouse monoclonal / Mouse IgG2
Immunogen	Human recombinant TNFSF8 (CD30 Ligand) extracellular domain
Specificity	Selected for detection of human TNFSF8 (CD30 Ligand/CD30L)

Product Description

This antibody was produced from a hybridoma generated by fusion of mouse myeloma cells with spleen cells from a mouse immunized with human recombinant TNFSF8 (CD30 Ligand) extracellular domain. The IgG fraction of culture supernatant was purified by Protein G affinity chromatography.

Applications and Recommended Usage

Application	Recommended Usage	Sample / Assay Notes
Western Blot (WB)	1:500-1:1000	Recommended dilution range; optimize final conditions in each laboratory.
Flow Cytometry	0.25 ug/10^6 cells	Sample: Human PBMC activated with PMA (50 ng/mL) and Ca2+ ionomycin (200 ng/mL) for 16 hours.
Immunohistochemistry	5-25 ug/mL	Sample: Immersion-fixed paraffin-embedded sections of human spleen.
Neutralization	ND50 typically 0.3-3 ug/mL	Measured by ability to neutralize CD30 Ligand/TNFSF8-induced IL-6 secretion in the HDLM human Hodgkin lymphoma cell line. Assay conditions: 1 ug/mL Recombinant Human CD30 Ligand/TNFSF8 and 10 ug/mL cross-linking antibody, Mouse Anti-His Tag Monoclonal Antibody.

Formulation, Storage, and Stability

Formulation	Lyophilized from a 0.2 um filtered solution in phosphate-buffered saline (PBS).
Long-Term Storage	Lyophilized samples are stable for 2 years from date of receipt when stored at -70°C.
After Reconstitution	Aliquot and store frozen at < -20°C for at least 6 months without detectable loss of activity.
Handling	Avoid repeated freeze-thaw cycles.

Reconstitution

Reconstitute with 200 ul sterile PBS. Final antibody concentration: 500 ug/mL.

Shipping

Ships by regular FedEx overnight shipment at ambient temperature unless otherwise specified.

Important Notes

- Optimal dilutions should be determined by each laboratory for each application.
- Listed concentrations and dilutions are recommendations only; final conditions should be optimized by the end user.
- This product is supplied for Research Use Only (RUO). Not for diagnostic, therapeutic, or clinical use.