Technical Data Sheet

Purified Mouse Anti-Pig SLA-DR

Product Information

Material Number:	**553642**
Size:	0.1 mg
Concentration:	0.5 mg/ml
Clone:	1053H2-18
Immunogen:	Mouse L cells transfected with pig SLA-DR gene
Isotype:	Mouse (B10.PD1) IgG2a, κ
Reactivity:	QC Testing: Pig
Storage Buffer:	Aqueous buffered solution containing ≤0.09% sodium azide.

Description

The 1053h2-18-1 antibody reacts with swine leukocyte antigen-DR (SLA-DR) expressed on subsets of pig B and T lymphocytes and monocytes, but not on granulocytes. It also reacts with endothelial cells, Langerhans cells, thymocytes, and macrophages. An interesting observation is that SLA-DR is preferentially expressed on CD8+ T cells.

Preparation and Storage

The monoclonal antibody was purified from tissue culture supernatant or ascites by affinity chromatography.
Store undiluted at 4°C.

Application Notes

Application

Flow cytometry	Routinely Tested
Immunohistochemistry-frozen	Tested During Development

Product Notices

1. Since applications vary, each investigator should titrate the reagent to obtain optimal results.
2. Please refer to www.bdbiosciences.com/pharmingen/protocols for technical protocols.
3. Caution: Sodium azide yields highly toxic hydrazoic acid under acidic conditions. Dilute azide compounds in running water before discarding to avoid accumulation of potentially explosive deposits in plumbing.
4. Sodium azide is a reversible inhibitor of oxidative metabolism; therefore, antibody preparations containing this preservative agent must not be used in cell cultures nor injected into animals. Sodium azide may be removed by washing stained cells or plate-bound antibody or dialyzing soluble antibody in sodium azide-free buffer. Since endotoxin may also affect the results of functional studies, we recommend the NA/LE (No Azide/Low Endotoxin) antibody format, if available, for in vitro and in vivo use.

References

Lunney JK, Pescovitz MD. Phenotypic and functional characterization of pig lymphocyte populations. *Vet Immunol Immunopathol.* 1987; 17(1-4):135-144.(Biology)

BD Biosciences

bdbiosciences.com

United States	Canada	Europe	Japan	Asia Pacific	Latin America/Caribbean
877.232.8995	888.259.0187	32.53.720.550	0120.8555.90	65.6861.0633	55.11.5185.9995

For country-specific contact information, visit **bdbiosciences.com/how_to_order/**