

RayBiotech, Inc.

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Certificate of Analysis and Data Sheet

Mouse Anti-Human CD44v6

With HRP-conjugated Secondary Antibody

Catalog No.
DS-MB-00690

Species
Human

Isotype
IgG1

Preparation

Immunogen: Glutathione S Transferase (GST) fusion protein corresponding to the variable domains (v3 to v10) of human CD44.

Specificity

DS-MB-00690 specifically recognizes an epitope encoded by exon v6 on the variant portion of human CD44.

Formulation

Product Type: Monoclonal Antibody

Product Form: Purified IgG - liquid.

Buffer Solution: Phosphate buffered saline, 0.09% sodium azide

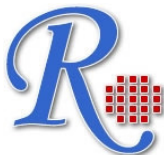
Applications

Table Summary of antibody applications and working conditions

| Options Functions | YES | NO | Not determined | Recommended Work dilution or concentration |
|----------------------------|-----|----|----------------|--|
| ELISA | | | . | |
| Western Blotting | . | | | |
| Immunohistology - frozen | . | | | |
| Immunohistology - paraffin | . | | | |
| Immunohistology - resin | | | . | |
| Immunoprecipitation | | | . | |
| Flow Cytometry | . | | | |

Note: Other applications are not tested yet. Optimal dilutions should be determined by each laboratory for each application.

The products are furnished for LABORATORY RESEARCH USE ONLY.
Not for diagnostic or therapeutic use.



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Storage

Store at +4°C or at -20°C if preferred.

This product should be stored undiluted.

Storage in frost free freezers is not recommended. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.

Secondary Antibody Applications

| Options Functions | YES | NO | Not determined | Recommended Work dilution or concentration |
|--------------------------------------|------------|-----------|-----------------------|---|
| Immunoassay (ELISA, Western blot) | • | | | 1:5000-1:10000 |

References

1. Neumayer, R. et al. (1999) CD44 expression in benign and malignant colorectal polyps. Dis. Colon. Rectum. 42: 50-55.
2. Koopman, G. et al. (1993) Activated human lymphocytes and aggressive non-Hodgkin's lymphomas express a homologue of the rat metastasis-associated variant of CD44. J. Exp. Med. 177: 897-904.
3. Yoo, S.H. et al. (2005) Expression patterns of markers for type II pneumocytes in pulmonary sclerosing hemangiomas and fetal lung tissues. Arch. Pathol. Lab. Med. 129: 915-919
4. Kim, J.S. and Werth, V.P. (2011) Identification of specific chondroitin sulfate species in cutaneous autoimmune disease. J Histochem Cytochem. 59: 780-90.
5. Chaiyarit, P. et al. (2008) Alteration of the expression of CD44 isoforms in oral epithelia and saliva from patients with oral lichen planus. J Clin Immunol. 28: 26-34.

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