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|--------------------------|---|
| <b>Cat. No:</b>          | AB-84301  |
| <b>Size:</b>             | 100ug   |
| <b>Clone:</b>            | POLY  |
| <b>Concentration:</b>    | 1mg/ml  |
| <b>Host:</b>             | Rb  |
| <b>Isotype:</b>          | IgG   |
| <b>Immunogen:</b>        | Recombinant fusion protein containing a sequence corresponding to amino acids 26-216 of human HLA-DRA   |
| <b>Reactivity:</b>       | Hu, Ms  |
| <b>Applications:</b>     | Western Blot: 1:500 - 1:2000 Immunofluorescence: 1:50 - 1:200   |
| <b>Molecular Weight:</b> | 37kDa   |
| <b>Purification:</b>     | Aff. Pur.   |
| <b>Synonyms:</b>         | HLA-DRA;HLA-DRA1;major histocompatibility complex;class II;DR alpha   |
| <b>Background:</b>       | HLA-DRA is one of the HLA class II alpha chain paralogues. This class II molecule is a heterodimer consisting of an alpha and a beta chain, both anchored in the membrane. It plays a central role in the immune system by presenting peptides derived from extracellular proteins. Class II molecules are expressed in antigen presenting cells (APC: B lymphocytes, dendritic cells, macrophages). The alpha chain is approximately 33-35 kDa and its gene contains 5 exons. Exon 1 encodes the leader peptide, exons 2 and 3 encode the two extracellular domains, and exon 4 encodes the transmembrane domain and the cytoplasmic tail. DRA does not have polymorphisms in the peptide binding part and acts as the sole alpha chain for DRB1, DRB3, DRB4 and DRB5. |
| <b>Form:</b>             | Liquid  |
| <b>Buffer:</b>           | PBS with 0.02% sodium azide, 50% glycerol, pH7.3.   |
| <b>Storage:</b>          | Store at -20°C. Avoid freeze / thaw cycles.   |

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