Leader in Biomolecular Solutions for Life Science

HLA-DR Rabbit PolymAb®

Catalog No.: A26694PM

Recombinant

www.abclonal.com

Basic Information

Observed MW
30-40kDa

Calculated MW
29kDa

Category
Monoclonal Antibodies

Applications
WB, IF/ICC, IF-P, IHC-P, mIHC, ELISA

Cross Reactivity
Human

Background

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. This molecule is expressed on the surface of various antigen presenting cells such as B lymphocytes, dendritic cells, and monocytes/macrophages, and plays a central role in the immune system and response by presenting peptides derived from extracellular proteins, in particular, pathogen-derived peptides to T cells. 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.

Recommended Dilutions

WB	1:1000 - 1:4000
IF/ICC	1:200 - 1:800
IF-P	1:200 - 1:800
IHC-P	1:400 - 1:4000
mIHC	1:800 - 1:3200

ELISA
Recommended starting concentration is 1 μg/mL. Please optimize the concentration based on your specific assay requirements.

Immunogen Information

Gene ID
3122

Swiss-Prot
P01903

Immunogen
Synthetic peptide. This information is considered to be commercially sensitive.

Synonyms
HLA-DRA1

Contact

400-999-6126
cn.market@abclonal.com.cn
www.abclonal.com.cn

Product Information

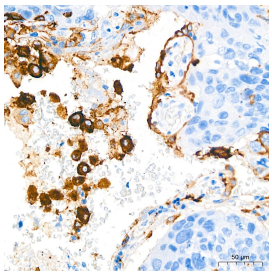
Source
Rabbit

Isotype
IgG

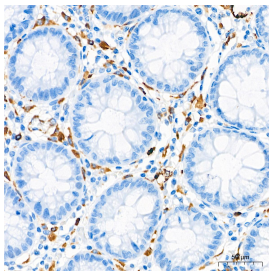
Purity
Affinity purification

Storage
Store at -20℃

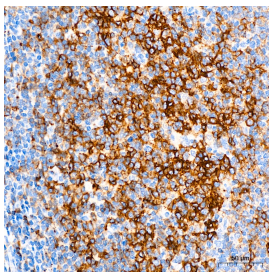
Validation Data



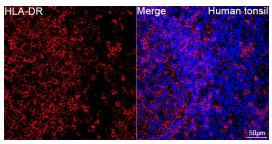
Immunohistochemistry analysis of paraffin-embedded Human lung squamous carcinoma tissue tissue using HLA-DR Rabbit PolymAb® (A26694PM) at a dilution of 1:1600 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer(pH 9.0) prior to IHC staining.



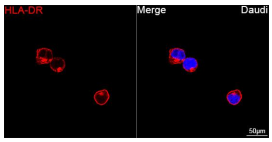
Immunohistochemistry analysis of paraffin-embedded Human colon tissue using HLA-DR Rabbit PolymAb® (A26694PM) at a dilution of 1:1600 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer(pH 9.0) prior to IHC staining.



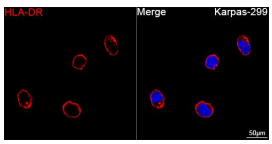
Immunohistochemistry analysis of paraffin-embedded Human tonsil tissue using HLA-DR Rabbit PolymAb® (A26694PM) at a dilution of 1:1600 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer(pH 9.0) prior to IHC staining.



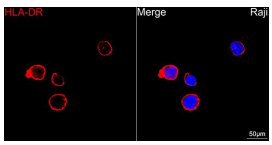
Confocal imaging of paraffin-embedded Human tonsil tissue using HLA-DR Rabbit PolymAb® (A26694PM, dilution 1:400) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). High pressure antigen retrieval performed with 0.01M Citrate Buffer (pH 6.0) prior to IF staining. Objective: 40x.



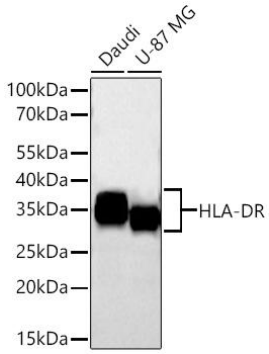
Confocal imaging of Daudi cells using HLA-DR Rabbit PolymAb® (A26694PM, dilution 1:400) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). Objective: 100x.



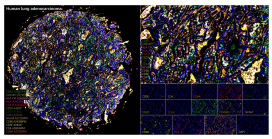
Confocal imaging of Karpas-299 cells using HLA-DR Rabbit PolymAb® (A26694PM, dilution 1:400) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). Objective: 100x.



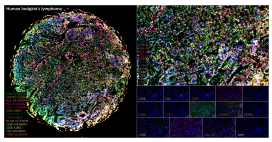
Confocal imaging of Raji cells using HLA-DR Rabbit PolymAb® (A26694PM, dilution 1:400) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). Objective: 100x.



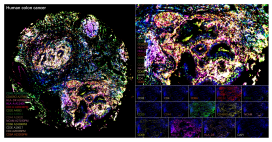
Western blot analysis of various lysates using HLA-DR Rabbit PolymAb® (A26694PM) at 1:1000 dilution incubated overnight at 4℃.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1: 10000 dilution.
Lysates/proteins: 25 µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 30s.



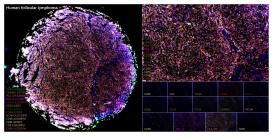
The multiplex IHC analysis on paraffin-embedded Human lung adenocarcinoma tissue using the following specific primary antibodies and tyramide signal amplification (TSA) reagents (RK05903) : CD45 Rabbit PolymAb® (A24802PM, 1:1000) with TSA-TYR-480 (Green), and Mouse anti-Human CD45RO mAb (A27969, 1:500) with TSA-TYR-520 (Golden Yellow), and HLA-DR Rabbit PolymAb® (A26694PM, 1:1600) with TSA-TYR-570 (Pale Pinkish White), and HLA-A Rabbit mAb (A11406, 1:200) with TSA-TYR-620 (Magenta), and CD11c Rabbit PolymAb® (A28244PM, 1:4000) with TSA-TYR-690 (Red), and CD20 Rabbit mAb (A4893, 1: 1000) with TSA-TYR-480 (Yellow-Green), and CD14 Rabbit mAb (A19011, 1:800) with TSA-TYR-520 (Dark Green), and [KO Validated] CD44 Rabbit mAb (A19020, 1: 4000) with TSA-TYR-570 (Brown), and NCAM Rabbit PolymAb® (A27193PM, 1:5000) with TSA-TYR-620 (Light Pink), and CD68 Rabbit PolymAb® (A24386PM, 1:8000) with TSA-TYR-690 (Yellow), and CD3E Rabbit mAb (A19017, 1:4000) with TSA-TYR-520 (Cream), and CD4 Rabbit PolymAb® (A26036PM, 1:400) with TSA-TYR-570 (Light Tan), and CD8A Rabbit PolymAb® (A23305PM, 1:1000) with TSA-TYR-690 (Orange). DAPI (White) was used for nuclear staining. Prior to multiplex IHC staining, high-pressure antigen retrieval was performed using 0.01M citrate buffer at pH 6.0. The analysis was completed using a 40x objective lens.



The multiplex IHC analysis on paraffin-embedded Human hodgkin's lymphoma tissue using the following specific primary antibodies and tyramide signal amplification (TSA) reagents (RK05903) : CD45 Rabbit PolymAb® (A24802PM, 1: 1000) with TSA-TYR-480 (Green), and Mouse anti-Human CD45RO mAb (A27969, 1: 500) with TSA-TYR-520 (Golden Yellow), and HLA-DR Rabbit PolymAb® (A26694PM, 1:1600) with TSA-TYR-570 (Pale Pinkish White), and HLA-A Rabbit mAb (A11406, 1: 200) with TSA-TYR-620 (Magenta), and CD11c Rabbit PolymAb® (A28244PM, 1: 4000) with TSA-TYR-690 (Red), and CD20 Rabbit mAb (A4893, 1:1000) with TSA-TYR-480 (Yellow-Green), and CD14 Rabbit mAb (A19011, 1:800) with TSA-TYR-520 (Dark Green), and [KO Validated] CD44 Rabbit mAb (A19020, 1:4000) with TSA-TYR-570 (Brown), and NCAM Rabbit PolymAb® (A27193PM, 1:5000) with TSA-TYR-620 (Light Pink), and CD68 Rabbit PolymAb® (A24386PM, 1:8000) with TSA-TYR-690 (Yellow), and CD3E Rabbit mAb (A19017, 1:4000) with TSA-TYR-520 (Cream), and CD4 Rabbit PolymAb® (A26036PM, 1:400) with TSA-TYR-570 (Light Tan), and CD8A Rabbit PolymAb® (A23305PM, 1:1000) with TSA-TYR-690 (Orange). DAPI (White) was used for nuclear staining. Prior to multiplex IHC staining, high-pressure antigen retrieval was performed using 0.01M citrate buffer at pH 6.0. The analysis was completed using a 40x objective lens.



The multiplex IHC analysis on paraffin-embedded Human colon cancer tissue using the following specific primary antibodies and tyramide signal amplification (TSA) reagents (RK05903) : CD45 Rabbit PolymAb® (A24802PM, 1:1000) with TSA-TYR-480 (Green), and Mouse anti-Human CD45RO mAb (A27969, 1:500) with TSA-TYR-520 (Golden Yellow), and HLA-DR Rabbit PolymAb® (A26694PM, 1:1600) with TSA-TYR-570 (Pale Pinkish White), and HLA-A Rabbit mAb (A11406, 1:200) with TSA-TYR-620 (Magenta), and CD11c Rabbit PolymAb® (A28244PM, 1:4000) with TSA-TYR-690 (Red), and CD20 Rabbit mAb (A4893, 1:1000) with TSA-TYR-480 (Yellow-Green), and CD14 Rabbit mAb (A19011, 1:800) with TSA-TYR-520 (Dark Green), and [KO Validated] CD44 Rabbit mAb (A19020, 1:4000) with TSA-TYR-570 (Brown), and NCAM Rabbit PolymAb® (A27193PM, 1:5000) with TSA-TYR-620 (Light Pink), and CD68 Rabbit PolymAb® (A24386PM, 1:8000) with TSA-TYR-690 (Yellow), and CD3E Rabbit mAb (A19017, 1:4000) with TSA-TYR-520 (Cream), and CD4 Rabbit PolymAb® (A26036PM, 1:400) with TSA-TYR-570 (Light Tan), and CD8A Rabbit PolymAb® (A23305PM, 1:1000) with TSA-TYR-690 (Orange). DAPI (White) was used for nuclear staining. Prior to multiplex IHC staining, high-pressure antigen retrieval was performed using 0.01M citrate buffer at pH 6.0. The analysis was completed using a 40x objective lens.



The multiplex IHC analysis on paraffin-embedded Human follicular lymphoma tissue using the following specific primary antibodies and tyramide signal amplification (TSA) reagents (RK05903) : CD45 Rabbit PolymAb® (A24802PM, 1:1000) with TSA-TYR-480 (Green), and Mouse anti-Human CD45RO mAb (A27969, 1:500) with TSA-TYR-520 (Golden Yellow), and HLA-DR Rabbit PolymAb® (A26694PM, 1:1600) with TSA-TYR-570 (Pale Pinkish White), and HLA-A Rabbit mAb (A11406, 1:200) with TSA-TYR-620 (Magenta), and CD11c Rabbit PolymAb® (A28244PM, 1:4000) with TSA-TYR-690 (Red), and CD20 Rabbit mAb (A4893, 1:1000) with TSA-TYR-480 (Yellow-Green), and CD14 Rabbit mAb (A19011, 1:800) with TSA-TYR-520 (Dark Green), and [KO Validated] CD44 Rabbit mAb (A19020, 1:4000) with TSA-TYR-570 (Brown), and NCAM Rabbit PolymAb® (A27193PM, 1:5000) with TSA-TYR-620 (Light Pink), and CD68 Rabbit PolymAb® (A24386PM, 1:8000) with TSA-TYR-690 (Yellow), and CD3E Rabbit mAb (A19017, 1:4000) with TSA-TYR-520 (Cream), and CD4 Rabbit PolymAb® (A26036PM, 1:400) with TSA-TYR-570 (Light Tan), and CD8A Rabbit PolymAb® (A23305PM, 1:1000) with TSA-TYR-690 (Orange). DAPI (White) was used for nuclear staining. Prior to multiplex IHC staining, high-pressure antigen retrieval was performed using 0.01M citrate buffer at pH 6.0. The analysis was completed using a 40x objective lens.